NeoSOFT®

Capabilities

Delivering Digital Outcomes In The Pharma & Healthcare Industry

About Us

Great Place To Work. Certified INDIA

25+ YEARS OF EXCELLENCE

CMMIDEV/5

Overview

4000+ Employees

10 Global Offices

9 Development Centers

1,00,000+ Sq.ft. Office Space

Clientele

1500+ Clients

50+ Countries

85% Clients Retention

22+ Industry Verticals

Achievements

2000+ Products Engineered

1500+ Applications Developed

12+ Awards

20+ Million Development Hours

Partners

aws

SAP

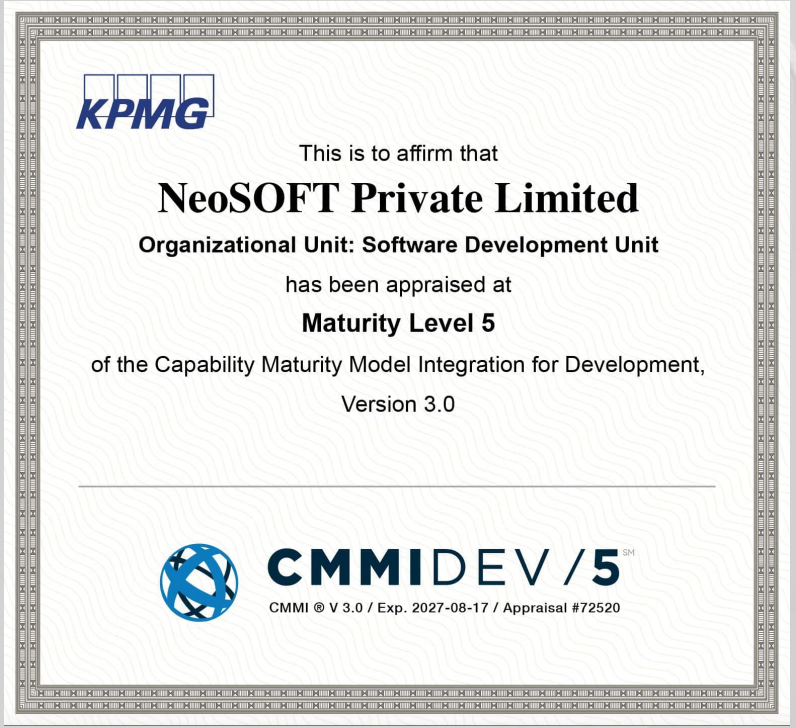
Microsoft

Google Cloud

Magento

Certified To Deliver Quality

Great Place To Work. Certified INDIA



ISO
9001:2015
Quality Management

ISO
27001:2013
Information Security

ISO
20000-1:2011
IT Management

ISO
22301:2012
Business Continuity Management

What We Do

Team Augmentation

A team of 4000+ Battle Tested engineers across 100+ Different Stacks.

We are your Digital Factory, dedicated teams to supercharge your development throughput.

0 Operational Overheads.

Agile & On Demand.

Fixed Scope

We offer meticulously crafted project specifications and timelines for cutting-edge development, seamless integrations and feature-rich solutions.

The NeoSOFT approach ensures your projects are delivered with precision and excellence.

Managed Services

Our IMS services helps enterprises to run Business as usual.

With strong SLA driven services, 24x7 Support, Governance and Technology expertise, we help to optimize processes and costs.

Our Expertise

Patient Centric Initiatives

Data Warehousing & Business Intelligence

Software, Mobility & Application Development

Electronic Health Record & Remote Patient Monitoring

Artificial Intelligence, RPA & Big Data

Internet Of Things

Blockchain

Cloud Migrations & Re-engineering

Healthcare Supply Chain Management

Clinical Analytics

How We Help

We help businesses wherever they are in their digital journey. From consulting for a **digital transformation** to carving out a **technology roadmap**. Our expertise helps you to **drive RoI** from your digital initiatives.

Digital Transformation

- UX/UI Consulting
- Web & Mobility Solutions
- Enterprise API Management
- RPA
- Legacy Modernization

Digital Product Engineering

- Custom Software Engineering
- QA Services
- Maintenance
- Managed Services

Infrastructure & IT Operations

- Cloud Consulting
- DevSecOps
- Cloud Migration
- Cloud Management

Data Management & Analytics

- Data Engineering
- Governance
- B.I. & Analytics

Artificial Intelligence

- M.L. Models
- Model Generation
- M.L. Ops
- Data Science

Internet of Things

- IoT Consulting
- Software Defined Features
- IoT Applications

Innovation Lab

- MVP & POCs
- Rapid Prototyping
- Emerging Tech

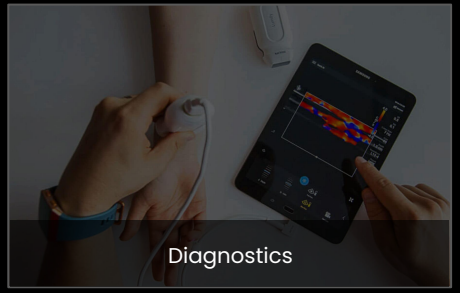
Team Augmentation

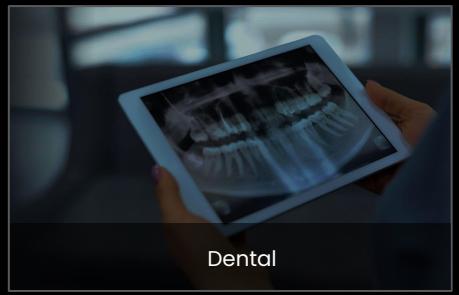
- Solution Architects
- B.A.
- Developers
- Data Scientists

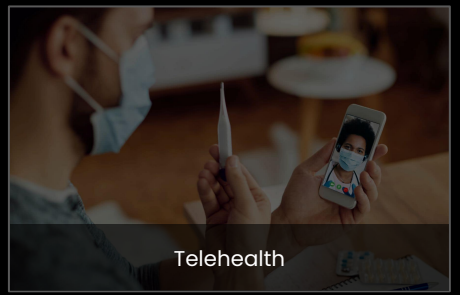
Selected Clientele

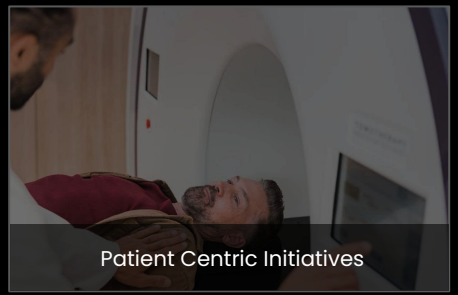
Case Studies

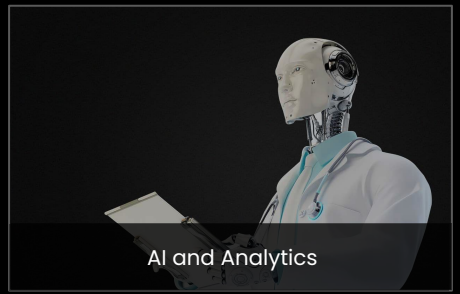
- EMR/EHR
- Diagnostics
- Pharma & Life Sciences
- Dental
- Telehealth
- Patient Centric Initiatives
- IoT
- Hospitals
- AI and Analytics











EMR/EHR

Case Studies

- EMR/EHR
- Diagnostics
- Pharma & Life Sciences
- Dental
- Telehealth
- Patient Centric Initiatives
- IoT
- Hospitals
- AI and Analytics

A Reputed Chain Of Hospitals

Designed an EMR system to administer patient's medical records & procedures.

EMR System | Data Interaction | Automation | ERP

Increased Accessibility

Optimized Workflows

Improved Management

Solutioning

Challenges

- The client desired to create a time-saving system to manage all medical records, appointments, prescriptions to improve accessibility.
- Creating family history modules based on doctors speciality and patients history.
- Lack of visual aids such as graphs and charts to present patient information.

Technical Spotlight

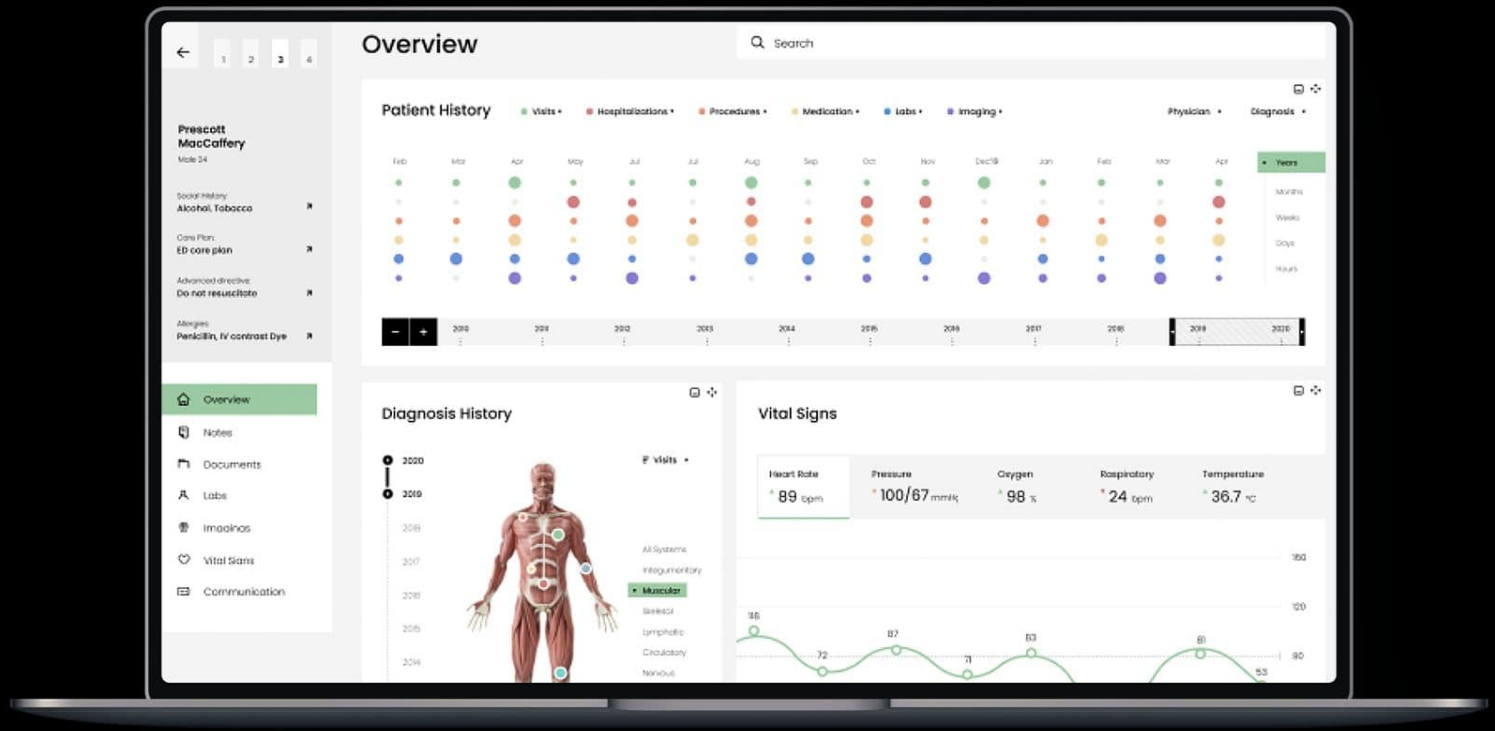
- Leveraged Node.js along with Express framework to build an intuitive web application that handles requests and responses quickly.
- Utilized MongoDB with mongoose package module for its database.
- Leveraged Angular 4 with a material designed theme to develop dynamic web pages for the front-end framework

Solution Highlights

- Purpose of this project was diagnose patients based on their medical records.
- Managed all records of the patient against each appointment he/she has taken in a clinic.
- Created vitals charts of a patient based on its previous appointment details using Chart.js.
- Based on these data (vitals, family history, allergies, ob history etc) the clinic/doctor prescribed medicine or procedure to a patient.

Tech Stack

node JS | mongoDB. | A | express | Chart.js


Overview
Search
Patient History
Visits
Hospitalizations
Procedures
Medication
Labs
Imaging
Physician
Diagnosis
Years
Months
Weeks
Days
Hours
Prescott MacCaffery
Male 24
Social History:
Alcohol, Tobacco
Care Plan:
ED care plan
Advanced directive:
Do not resuscitate
Allergies:
Penicillin, IV contrast Dye
Overview
Notes
Documents
Labs
Imaging
Vital Signs
Communication
Diagnosis History
2020
2019
Visits
All Systems
Integumentary
Muscular
Skeletal
Lymphatic
Circulatory
Nervous
Vital Signs
Heart Rate
89 bpm
Pressure
100/67 mmHg
Oxygen
98 %
Respiratory
24 bpm
Temperature
36.7 °C

Case Studies

EMR/EHR

Diagnostics

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IoT

Hospitals

AI and Analytics

Florida’s Largest Therapy Service Provider

Created an EMR solution to help facilitate the communication between the patient and the therapists.

Process Optimization | Data Integration | Data Security | EMR

Improved Patient Safety

Increased Efficiency

Better Communication

Solutioning

Challenges

- Difficulty implementing an EMR solution as it requires planning, resources, and time. It can involve migrating data from paper-based systems, training staff, and ensuring that the system is compatible with existing hardware and software.
- Challenge sharing data and information between different systems and can result in fragmented data and poor communication between providers.
- No proper assimilation of real-time data, subsequently yielding incomplete/incorrect analytical reports.

Technical Spotlight

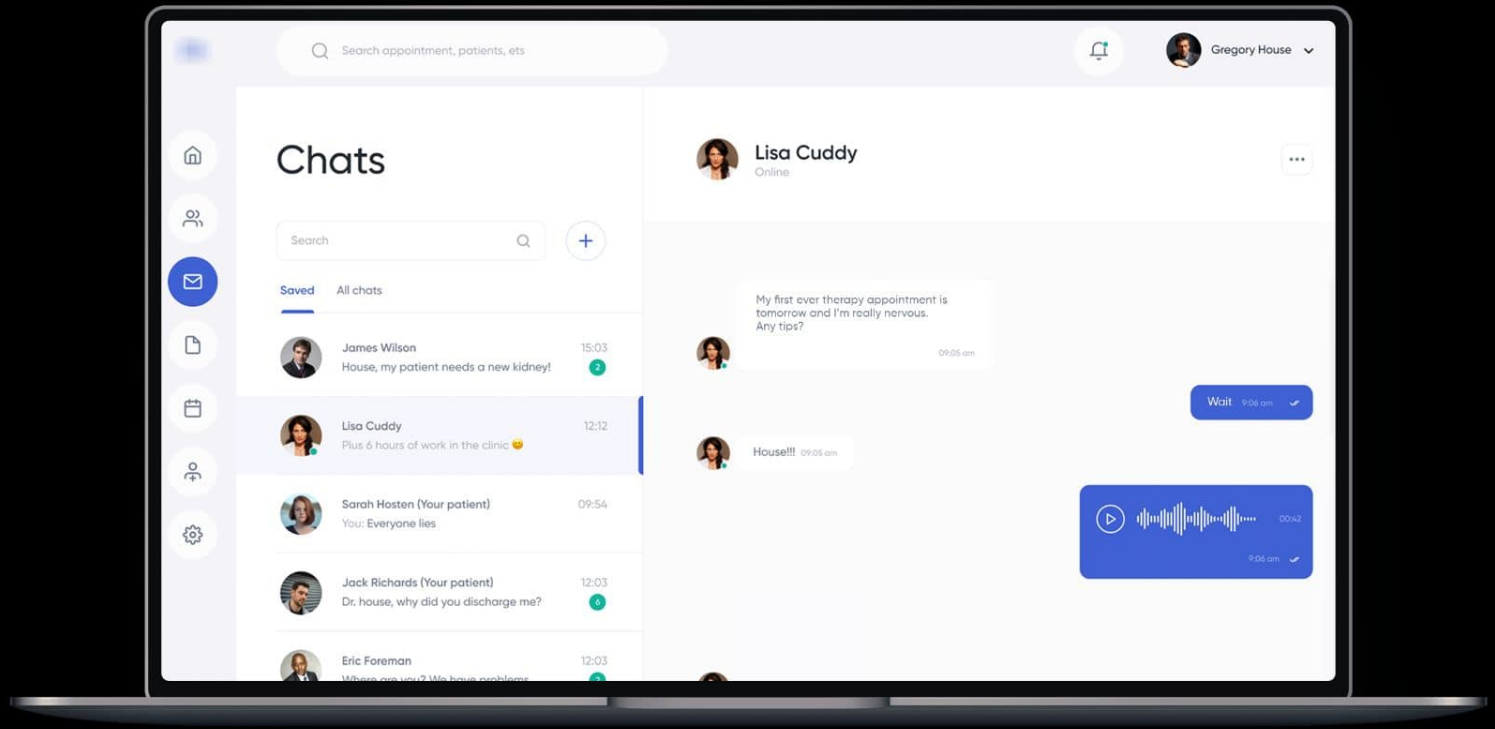
- Leveraged ASP.NET MVC 5 for to its powerful and versatile framework which is also flexibles and allows developers to create dynamic applications.
- Utilized C# to develop robust and scalable software applications.
- Integrated third party software component DayPilot Calendar to create interactive web-based calendars and scheduling applications.

Solution Highlights

- Deliver a new dynamic, scalable application that supports functionalities and architecture of current business model which evolves in alignment with client's offline workflow requirements.
- A solution with rich calendar functions for scheduling appointments.
- A web portal that encapsulates services and other vital data from the back end to provide accurate and updated information at the front end to facilitate seamless patient treatment tracking, patient insurance, provider's payment, and account related information.

Tech Stack

C# ASP.NET MVC SQL Server DayPilot Calendar


Search appointment, patients, ets
Gregory House
Chats
Search
Saved
All chats
James Wilson
House, my patient needs a new kidney!
15:03
Lisa Cuddy
Plus 6 hours of work in the clinic
12:12
Sarah Hosten (Your patient)
You: Everyone lies
09:54
Jack Richards (Your patient)
Dr. house, why did you discharge me?
12:03
Eric Foreman
12:03
Lisa Cuddy
Online
My first ever therapy appointment is tomorrow and I'm really nervous. Any tips?
09:05 am
Wait
9:06 am
House!!!
09:05 am
00:42
9:06 am

Case Studies

EMR/EHR

Diagnostics

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The First, Fully Automated Diagnostic Laboratory

Introduced automation in publishing the patient's hematology report by building up a flawless architecture and communication between the device, server and the report publishing system.

Data Consolidation | UI/UX Engineering | EMR | Database Management

Enhanced Research Capabilities

Increased Patient Engagement

Streamlined Documentation

Solutioning

Challenges

- Increased risk of errors associated with manual record-keeping.
- The Pathology department followed the process of manually registering patient details in the hospital records. This was further added in the Hematology daily register manually, and other internal records.
- The entire process was time-consuming and had high chances of human errors.

Technical Spotlight

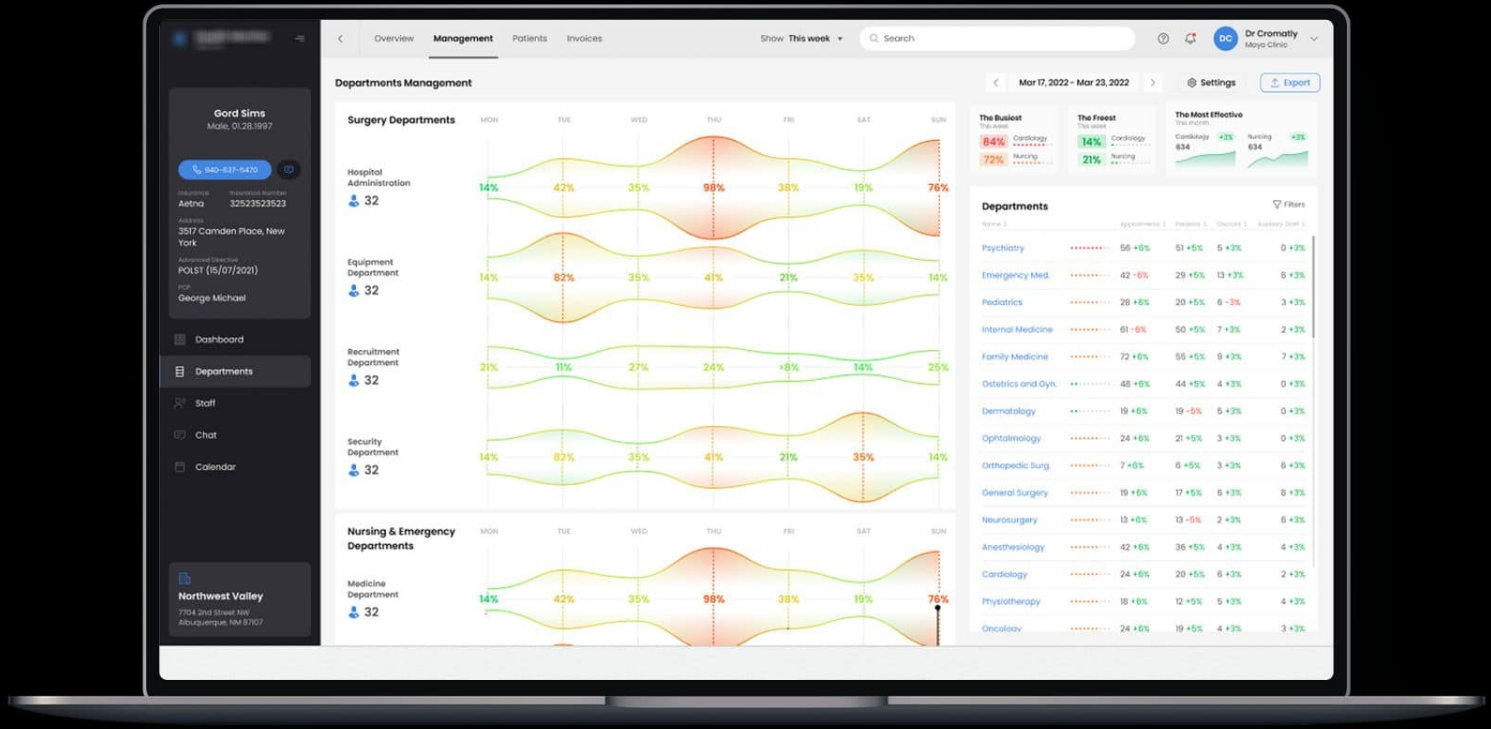
- Leveraged PHP for its ease of use, flexibility, and versatility to build dynamic and scalable web applications.
- Utilized MYSQL to store structured data in tables with predefined schemas and manage the database ecosystem.
- Leveraged Python as SDK integration to fetch and store data and create alerts that trigger that device.

Solution Highlights

- Created an ERP server which proved to be a smart and effective solution, resulting in a reduction of almost 60-70% of the workload in all the labs.
- Every single finding is captured and collated for each user,ensuring the highest accuracy benchmarks. Thereby, eliminating the chances of any errors caused due to human intervention.
- Reports are generated in a standard format with zero errors using the application developed.

Tech Stack

php mongoDB MySQL python


Overview
Management
Patients
Invoices
Show This week
Search
Dr Cromatiy
Mayo Clinic
Gord Sims
Male, 01.28.1997
940-837-6470
Aetna
32523523523
3517 Camden Place, New York
POLST (15/07/2021)
George Michael
Dashboard
Departments
Staff
Chat
Calendar
Northwest Valley
7704 2nd Street NW
Albuquerque, NM 87107
Departments Management
Mar 17, 2022 - Mar 23, 2022
Settings
Export
Surgery Departments
MON TUE WED THU FRI SAT SUN
Hospital Administration
32
14% 42% 35% 98% 38% 19% 76%
Equipment Department
32
14% 82% 35% 41% 21% 35% 14%
Recruitment Department
32
21% 11% 27% 24% 8% 14% 25%
Security Department
32
14% 82% 35% 41% 21% 35% 14%
Nursing & Emergency Departments
MON TUE WED THU FRI SAT SUN
Medicine Department
32
14% 42% 35% 98% 38% 19% 76%
The Busiest
This week
84% Cardiology
72% Nursing
The Freest
This week
14% Cardiology
21% Nursing
The Most Effective
This month
Cardiology 634 +3%
Nursing 634 +2%
Departments
Filters
Psychiatry 56 +6% 51 +5% 5 +3% 0 +3%
Emergency Med. 42 -6% 29 +5% 13 +3% 8 +3%
Pediatrics 28 +6% 20 +5% 6 -3% 3 +3%
Internal Medicine 61 -6% 50 +5% 7 +3% 2 +3%
Family Medicine 72 +6% 55 +5% 9 +3% 7 +3%
Ostetrics and Gyn. 48 +6% 44 +5% 4 +3% 0 +3%
Dermatology 19 +6% 19 -5% 5 +3% 0 +3%
Ophtalmology 24 +6% 21 +5% 3 +3% 0 +3%
Orthopedic Surg. 7 +6% 6 +5% 3 +3% 6 +3%
General Surgery 19 +6% 17 +5% 6 +3% 8 +3%
Neurosurgery 13 +6% 13 -5% 2 +3% 6 +3%
Anesthesiology 42 +6% 36 +5% 4 +3% 4 +3%
Cardiology 24 +6% 20 +5% 6 +3% 2 +3%
Physiotherapy 18 +6% 12 +5% 5 +3% 4 +3%
Oncology 24 +6% 19 +5% 4 +3% 3 +3%

Diagnostics

Case Studies

EMR/EHR

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Patient Centric Initiatives

IoT

Hospitals

AI and Analytics

Leader in Comprehensive Healthcare & Diagnostics

Established a powerful and comprehensive internal system for doctors & staff.

Data Analytics & Management | Automation | Quality Assurance | UI/UX Engineering

Seamless Process Integration

Complete Data Automation

Enhanced Productivity

Solutioning

Challenges

- Had to maintain patient records manually.
- Absence of a system to promptly update patients of important developments.
- Checking the availability of doctors and scheduling appointments manually was extremely time consuming.

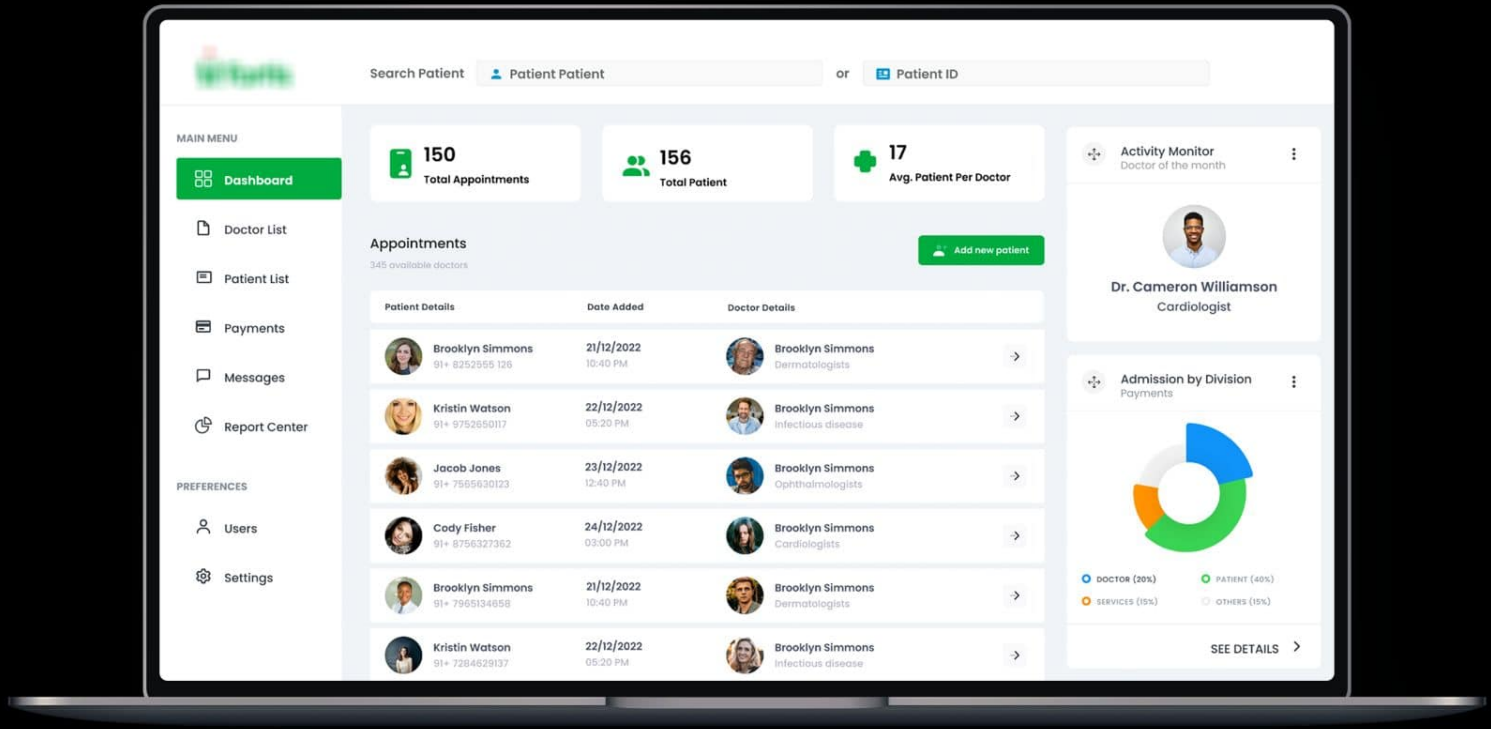
Technical Spotlight

- Leveraged PHP to design an interactive and dynamic interface.
- Utilized Ajax to improve page speed and web application response time.
- Used MongoDB for storing and managing large volumes of data.
- Used HTML and CSS for an intuitive website design.

Solution Highlights

- We developed a strong and intuitive web portal to manage user records, patient records, doctor schedules and related appointments.
- Integrated a repository pattern for the ease of development and established an UI design with CRUD operations for different users.
- Schedule and track appointment through the application.
- Informative charts & graphs to accurately present medical data to doctors and patients.
- Reporting and analysis on sample collection & payments.

Tech Stack


Search Patient
Patient Patient
or
Patient ID
MAIN MENU
Dashboard
Doctor List
Patient List
Payments
Messages
Report Center
PREFERENCES
Users
Settings
150
Total Appointments
156
Total Patient
17
Avg. Patient Per Doctor
Appointments
345 available doctors
Add new patient
Patient Details
Date Added
Doctor Details
Brooklyn Simmons
91+ 8252555 126
21/12/2022
10:40 PM
Brooklyn Simmons
Dermatologists
Kristin Watson
91+ 9752650117
22/12/2022
05:20 PM
Brooklyn Simmons
Infectious disease
Jacob Jones
91+ 7565630123
23/12/2022
12:40 PM
Brooklyn Simmons
Ophthalmologists
Cody Fisher
91+ 8756327362
24/12/2022
03:00 PM
Brooklyn Simmons
Cardiologists
Brooklyn Simmons
91+ 7965134658
21/12/2022
10:40 PM
Brooklyn Simmons
Dermatologists
Kristin Watson
91+ 7284629137
22/12/2022
05:20 PM
Brooklyn Simmons
Infectious disease
Activity Monitor
Doctor of the month
Dr. Cameron Williamson
Cardiologist
Admission by Division
Payments
DOCTOR (20%)
PATIENT (40%)
SERVICES (15%)
OTHERS (15%)
SEE DETAILS

Case Studies

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A Leading Institution Offering Comprehensive Renal Diagnosis & Treatment

Engineered a Digital Product to plan all operations and manage all patient and staff records with updates in real-time.

Data Analytics | UI/UX Engineering | Data Encryption | Process Automation

Efficient database management

Easy Resource Availability

Versatile tool access

Solutioning

Challenges

- Manual methods to maintain patient records.
- Lack of system that could send timely updates to patients and keep them informed of important updates.
- Difficulty for users to check doctors' availability and book clinic appointments manually consumed a lot of time.

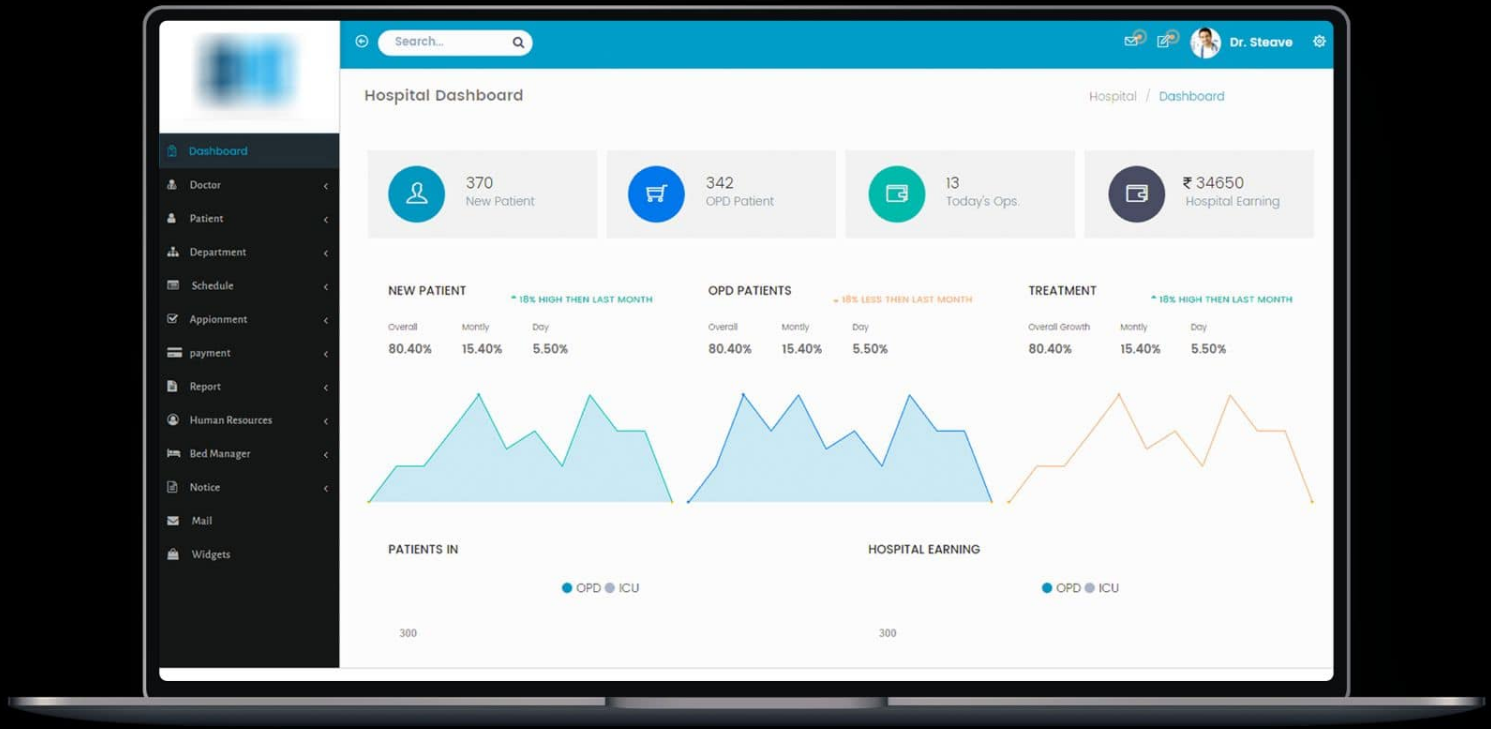
Technical Spotlight

- Leveraged .NET MVC to build the web application as it provides developers with a powerful set of tools and features to build robust and scalable web applications.
- Leveraged HTML and CSS to enable developers to create visually appealing and interactive web pages that can be accessed by users through a web browser.
- Used MSCharts to create and display a range of interactive charts and graphs chart types, including line charts, bar charts, pie charts, and more.

Solution Highlights

- Implemented a user-friendly interface and clear navigation which makes it easy for healthcare providers to access and use.
- Efficient database management that helps access reports and test results, and other key metrics, which can help healthcare providers make informed decisions about patient care.
- Integrated compatibility with a wide range of devices to ensure that healthcare providers can use it regardless of their device preferences.

Tech Stack


Search...
Dr. Steave
Hospital Dashboard
Hospital / Dashboard
Dashboard
Doctor
Patient
Department
Schedule
Appionment
payment
Report
Human Resources
Bed Manager
Notice
Mail
Widgets
370
New Patient
342
OPD Patient
13
Today's Ops.
₹ 34650
Hospital Earning
NEW PATIENT
* 18% HIGH THEN LAST MONTH
Overall
80.40%
Montly
15.40%
Day
5.50%
OPD PATIENTS
* 18% LESS THEN LAST MONTH
Overall
80.40%
Montly
15.40%
Day
5.50%
TREATMENT
* 18% HIGH THEN LAST MONTH
Overall Growth
80.40%
Montly
15.40%
Day
5.50%
PATIENTS IN
OPD ICU
300
HOSPITAL EARNING
OPD ICU
300

Case Studies

EMR/EHR

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A Leading Omnichannel Diagnostics Platform

An intuitive and visually appealing application that provides multiple healthcare facilities.

User Experience Design | Project Development | Automation | Database Management

Workflow Optimization

Efficient Database Management

Accurate Geolocation

Solutioning

Challenges

- Ensuring the accuracy and reliability of the application to ensure that healthcare providers can make informed decisions about patient care.
- Guarantee accuracy of geolocation to enable a wide range of services.
- Integrate automation that can help streamline the database.

Technical Spotlight

- Leveraged TypeScript - open source high-level programming language - enhance the development experience of the web portal by making it easier to maintain and scale large codebases.
- Using HTML and CSS, developers were able to construct aesthetically attractive and dynamic web pages that consumers could access via a web browser.
- Leveraged Redux - an open-source JavaScript library for managing and centralizing application state - to build scalable and maintainable user interfaces.

Solution Highlights

- Geolocation feature to help easily locate and contact the nearest collection center.
- Dynamic and interactive interface with easy navigation streamlined user access.
- Robust security features protect confidential patient data to keeps it secure.

Tech Stack

Location Details
Report
System at a glance
Location Details
COVID Patient Details
Bed Management
Staff Details
Equipment Details
Discharge Details
Supplies on Hand Details
Documentation
Emergency Response solution d...
COVID patients
1,447
Total COVID patients
549
COVID positive
898
COVID PUI pending
Bed management
560
Total available beds
93
Available acute care beds
78%
Acute care occupancy %
Acuity type
Total available beds
Occupancy %
Non-Acute Care 467 74%
GENSURG 102 72%
OLTC 94 70%
NF 93 72%
Total 840 74%
Nurse staffing management
322
ICU Census
213
ICU Nurses Assigned
0.66
ICU Nurse to Patient Ratio
Acuity type
Census
Nurses assigned
RN partners
Nurse to Patient Ratio
Non-Acute Care 1,303 763 256 0.59
SNF 248 136 43 0.55
GENSURG 258 149 42 0.58
NF 242 150 49 0.62
Total 1,625 976 378 0.60
Discharges
62
Total Long Stay Patients
149
Anticipated Next 24 Hours
147
Yesterday predictions
116
Yesterday actual discharge
Equipment
171
Total Vents
153
Vents in use
18
Vents Available
Supply by days on-hand
Duckbill w/ Shield (SM)
Masks w/ Shield (TIE)
Duckbill w/ Shield (REG) 11.0
Masks w/ Shield (TCHNL) 9.2
N-95 (SM) 7.6
N-95 (REG) 6.4
Supply
0
5
10
Days on hand

Pharma & Life Sciences

Case Studies

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Global Life Sciences Leader In Diagnostics & Drug Development

Developed a futuristic ERP to simplify business operations.

Process Automation | ERP | Project Engineering | UI/UX

Increased Business Efficiency

Improved Report & Planning

Enhanced Communication

Solutioning

Challenges

- Many workflow problems occur due to the lack of a centralized process.
- Took too long to gather drug-related information from a standard system since various software systems had to be accessed.
- The client wants to eliminate stumbling blocks in order to improve decision-making.

Technical Spotlight

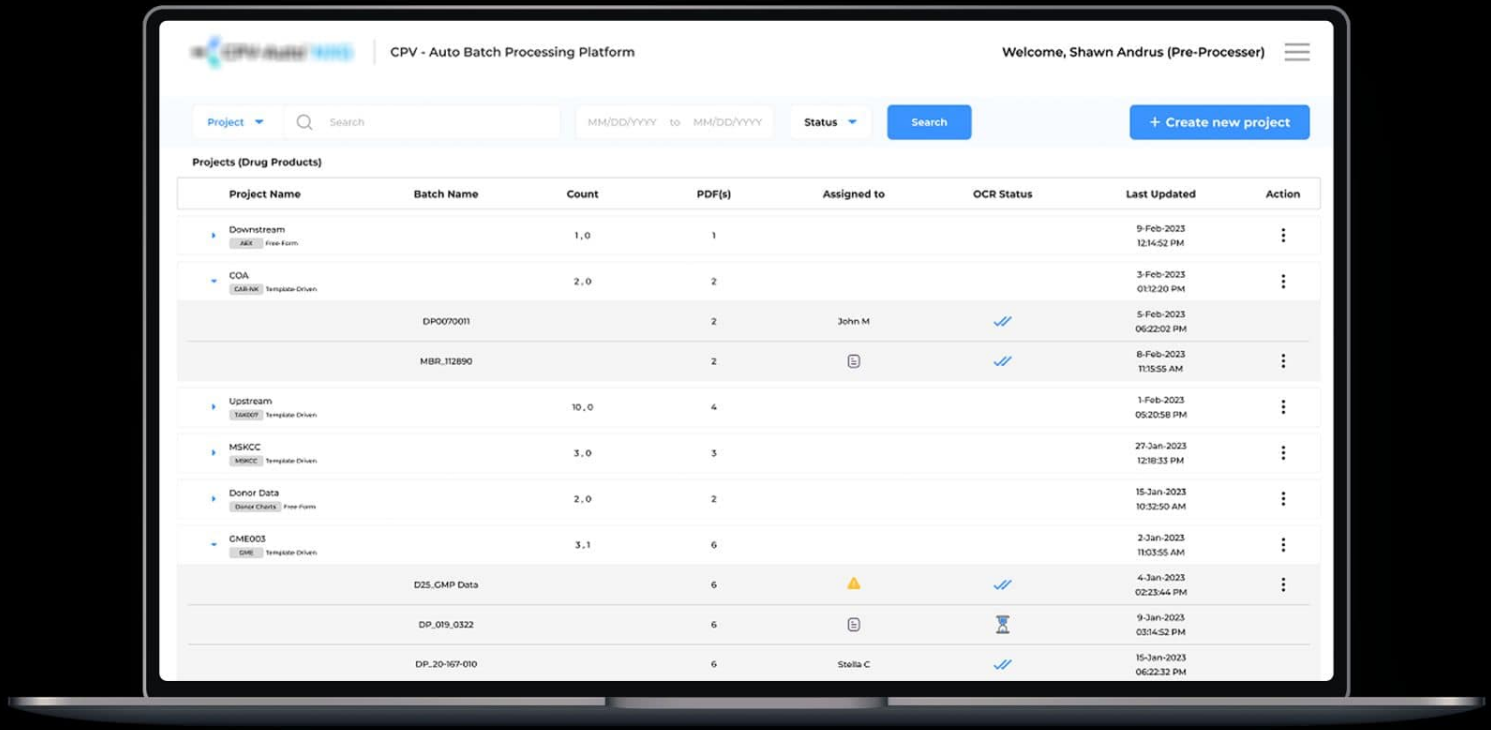
- Leveraged Core Java - the base foundation of the Java programming language - to develop the web application that runs on a server and can be accessed via a web browser.
- JavaScript is a crucial technology for developing enterprise resource planning. It's a programming language that allows developers to create bespoke solutions and automate administrative operations within an ERP system.
- Java Hibernate was used to minimize lines of code by preserving object-table mapping and returning results to the application in the form of Java objects.

Solution Highlights

- Centralizing processes reduced duplication of effort and streamlined workflows, that can improve efficiency and productivity.
- Improved communication among the departments by creating clear lines of communication and ensuring faster decision making.
- Increase transparency by providing stakeholders with access to real-time data and analytics.

Tech Stack

Java Servlets ORACLE JS HIBERNATE spring


CPV - Auto Batch Processing Platform
Welcome, Shawn Andrus (Pre-Processer)
Project
Search
MM/DD/YYYY to MM/DD/YYYY
Status
Search
+ Create new project
Projects (Drug Products)
Project Name
Batch Name
Count
PDF(s)
Assigned to
OCR Status
Last Updated
Action
Downstream
1,0
1
9-Feb-2023 12:14:52 PM
COA
2,0
2
3-Feb-2023 01:12:20 PM
DP0070011
2
John M
5-Feb-2023 06:22:02 PM
MBR_112890
2
8-Feb-2023 11:15:55 AM
Upstream
10,0
4
1-Feb-2023 05:20:58 PM
MSKCC
3,0
3
27-Jan-2023 12:18:33 PM
Donor Data
2,0
2
15-Jan-2023 10:32:50 AM
GME003
3,1
6
2-Jan-2023 11:03:55 AM
D25_GMP Data
6
4-Jan-2023 02:23:44 PM
DP_019_0322
6
9-Jan-2023 03:14:52 PM
DP_20-167-010
6
Stella C
15-Jan-2023 06:22:32 PM

Digitally Transforming a US Life-Science Company

Established a cross-platform application for monitoring, managing and executing clinical trials for upcoming drugs in the market.

Product Engineering | DevOps | Database Management | Data Science

30%
Increased Efficiency

40%
Reduced Overall Costs

25%
Boosted Productivity

Solutioning

Challenges

- Absence of a dedicated system for managing and scheduling clinical trials.
- Lack of a method for collating data collected from the trials to derive accurate insights.
- No method in place for selecting the drugs suitable for being used in human trials for the next stage and identifying individuals that will be ideally suited for testing.

Technical Spotlight

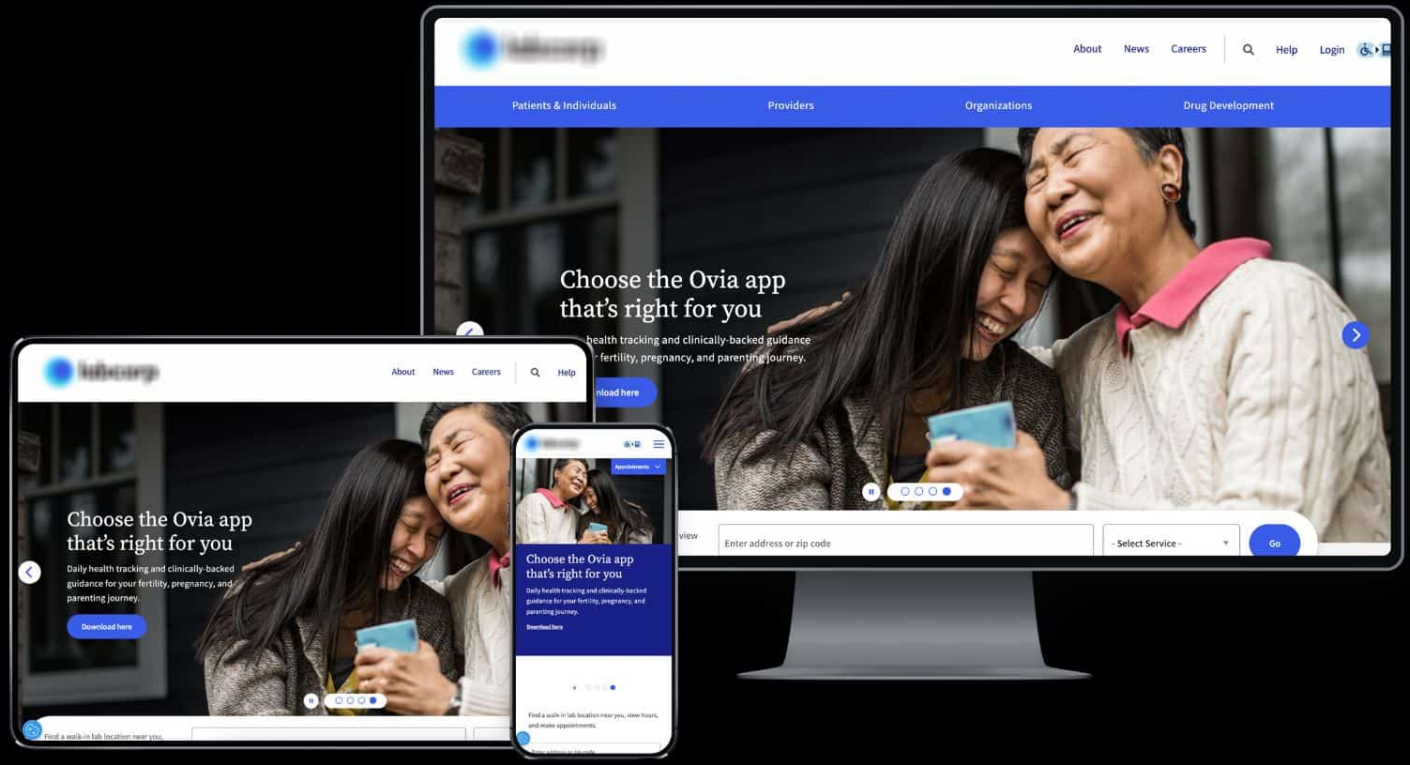
- Built the software applications mainly using Java and Spring, ensuring coding standards and best practices are followed.
- Integrated a CI/CD pipeline to derive meaningful and actionable insights from clinical trial data.
- Leveraged MySQL to store and access clinical data quickly as well as to boost the security of the application.

Solution Highlights

- Clinicians can instantly and seamlessly access clinical trial data in real-time with data visualizations and graphs.
- Successful drug trials can be seamlessly moved on to next stage of the trial.
- Automated processes and data driven insights decreased time typically spent on manual processing ensuring quicker time to market.

Tech Stack

MySQL spring HIBERNATE spring boot


About
News
Careers
Help
Login
Patients & Individuals
Providers
Organizations
Drug Development
Choose the Ovia app that's right for you
Enter address or zip code
- Select Service -
Go
Choose the Ovia app that's right for you
Daily health tracking and clinically-backed guidance for your fertility, pregnancy, and parenting journey.
Download here

Case Studies

- EMR/EHR
- Diagnostics
- Pharma & Life Sciences
- Dental
- Telehealth
- Patient Centric Initiatives
- IoT
- Hospitals
- AI and Analytics

A Leading Distributor of Pharmaceuticals And Surgical Products

Developed a CMS & Mobile Application to manage and promote company's products.

Content Management | CMS | Database Management | UI/UX Designs

Easy Content Management

Increased Customer Engagement

Intuitive User Interface

Solutioning

Challenges

- Integrating CMS with existing systems needs to be able to work seamlessly avoiding disruptions.
- Absence of a visually appealing UI/UX design.
- Learning curve and initial resistance from team members who may be used to working with other tools or processes.

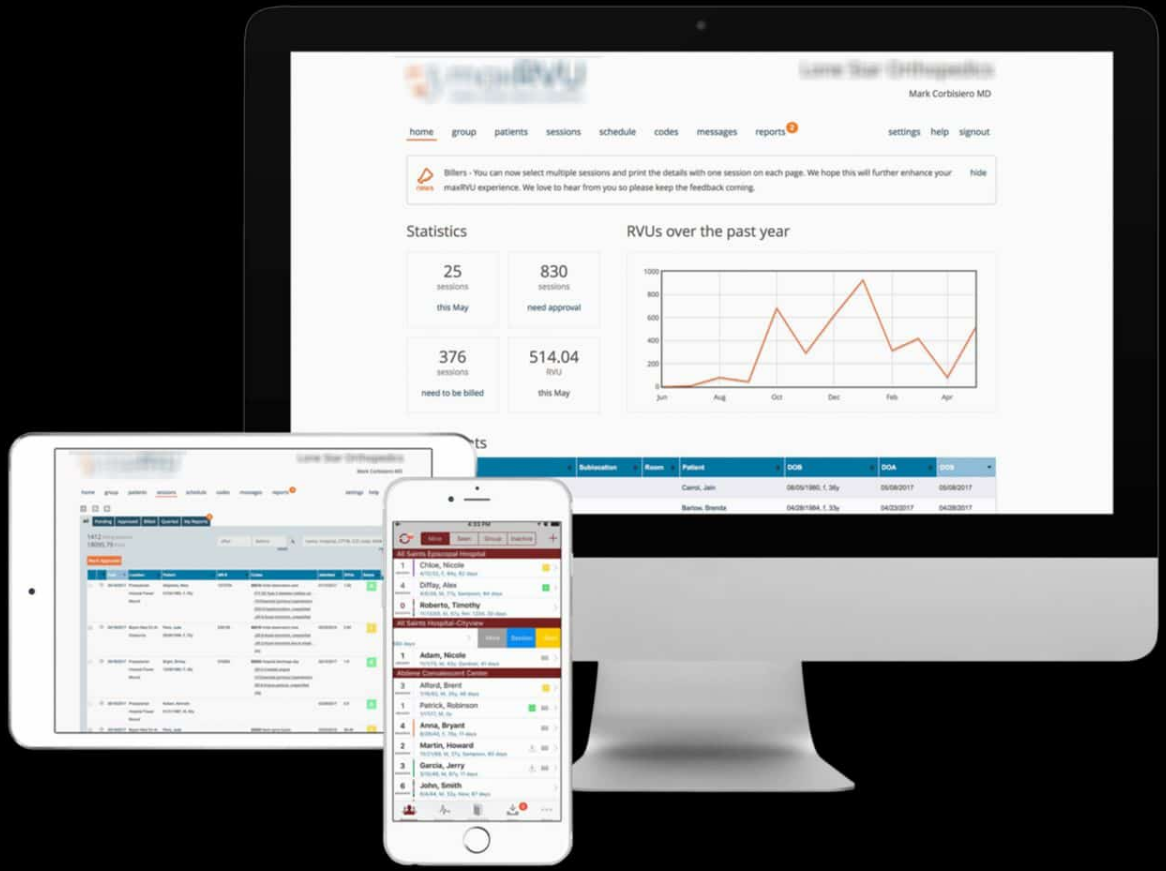
Technical Spotlight

- Leveraged PHP to build a user-friendly and dynamic website and its cross-platform compatibility.
- Utilized WordPress for its ease-of-use, and accessibility to add features and functionalities using plugins and themes.
- Leveraged MySQL - a popular open-source relational database management system to store and manage large amounts of data and high levels of traffic.

Solution Highlights

- Efficiently managed and updated product information and other content. This helped reduce errors and improve the accuracy and timeliness of the information provided to customers.
- Provided a better customer experience with a neat UI and by providing accurate and up-to-date information about pharma and surgical products.
- Easily integrated with other systems, such as a customer relationship management system, and helped to streamline its operations and improve efficiency.

Tech Stack


Mark Corbisiero MD
home
group
patients
sessions
schedule
codes
messages
reports
settings
help
signout
Billers - You can now select multiple sessions and print the details with one session on each page. We hope this will further enhance your maxRVU experience. We love to hear from you so please keep the feedback coming.
hide
Statistics
25
sessions
this May
830
sessions
need approval
376
sessions
need to be billed
514.04
RVU
this May
RVUs over the past year
1000
800
600
400
200
0
Jun
Aug
Oct
Dec
Feb
Apr
Subluxation
Room
Patient
DOB
DOA
DOS
Carrol, Jain
05/08/2017
05/08/2017
Barlow, Brenda
04/23/2017
04/28/2017

Globally Renowned Manufacturer Of Pharmaceuticals

Engineered a solution to accelerate batch release times and enable first-time right production.

Product Engineering | IoT | Regulatory Compliance | Automation

Improved Efficiency

Increased Data Accuracy

Enhanced Flexibility

Solutioning

Challenges

- Manual processes and paper-based record-keeping are costly due to the need of additional labor, storage, and maintenance of physical records.
- With increasing regulations and compliance requirements in the manufacturing industry, a non-digitized system can struggle to keep up with changing requirements, leading to compliance issues.
- Collecting and analyzing data becomes challenging. This can lead to inaccurate data and a lack of transparency in the manufacturing process, making it difficult to identify and address issues.

Technical Spotlight

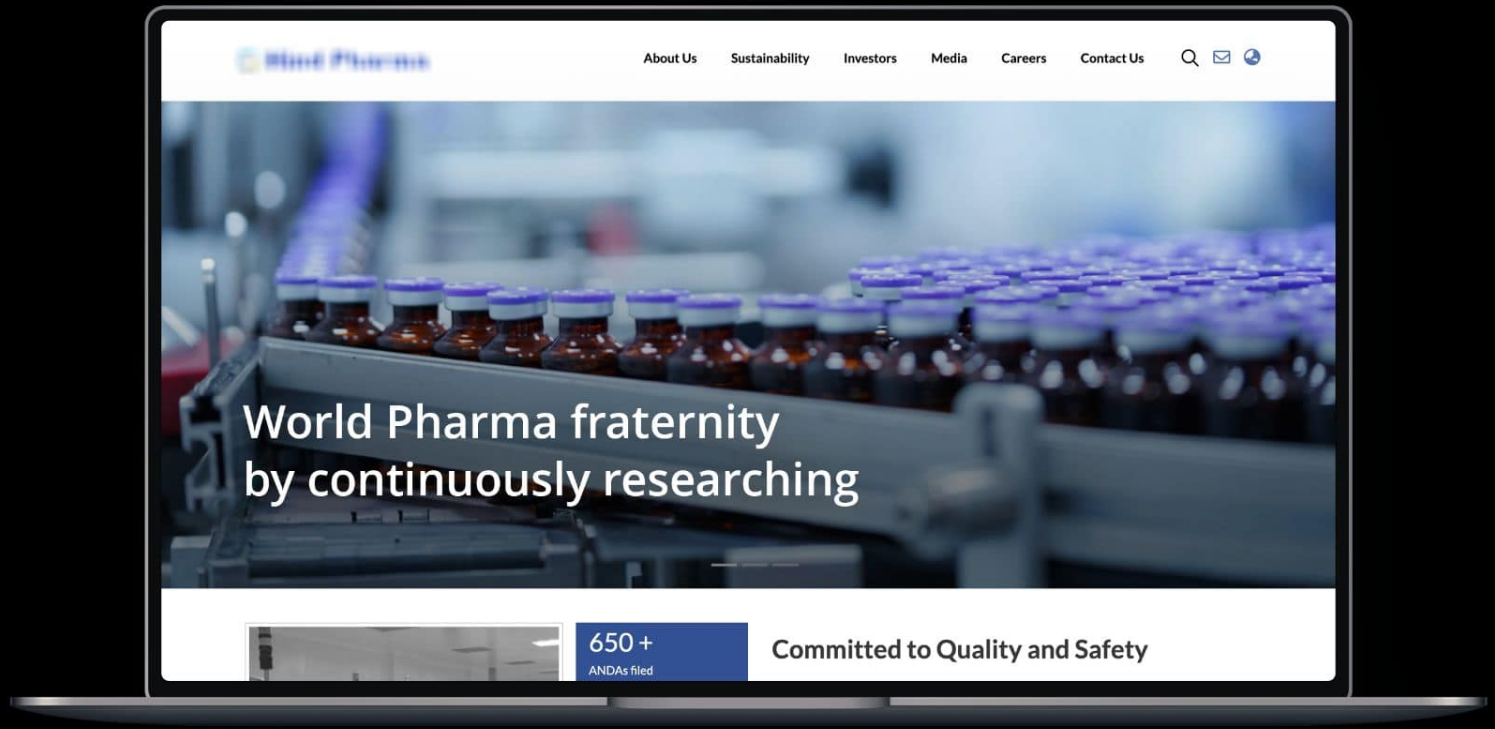
- Leveraged MongoDB to collect, store and manage the database.
- Used IoT sensors and devices to collect real-time data from the manufacturing process and feed it into the portal.
- Leveraged Node.js to support IoT development of MQTT protocol commonly used by IoT apps, making it easy to connect to independent and third-party services and prepare it for integration through multiple environments.

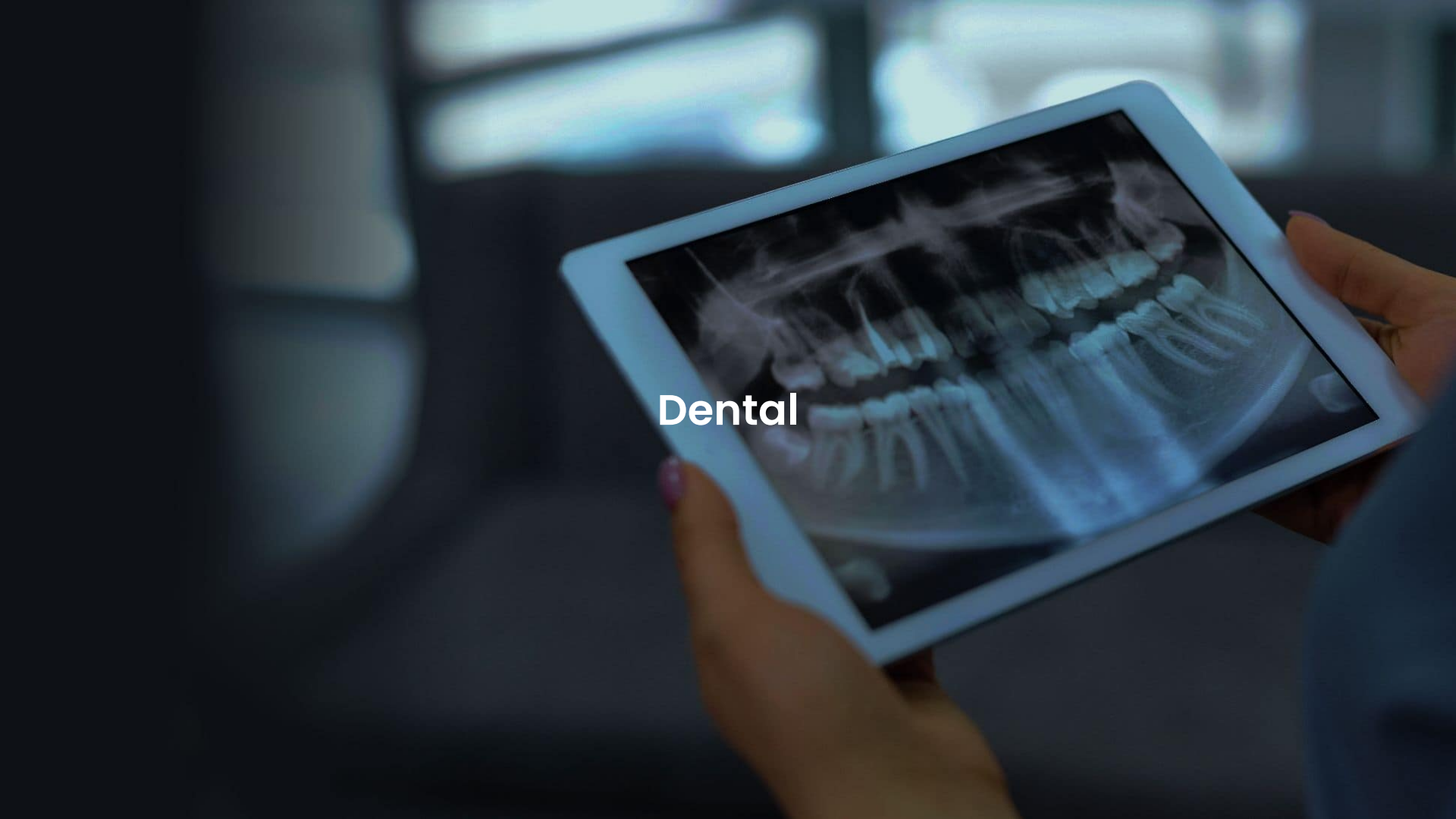
Solution Highlights

- Automation and digital tools reduced labor costs, eliminated paper-based record-keeping, and reduced the waste of resources, resulting in cost savings for the manufacturing operation.
- Provided greater control and visibility over the manufacturing process, ensuring compliance with regulatory requirements.
- Streamlined the manual processes, and collected and data in real-time. This reduced errors, improved efficiency, and increased productivity.

Tech Stack

node JS | JS | mongoDB | Raspberry Pi | ANGULAR


About Us
Sustainability
Investors
Media
Careers
Contact Us
World Pharma fraternity
by continuously researching
650 +
ANDAs filed
Committed to Quality and Safety


Dental

A Leading Player in Dental Care & Awareness

A digital platform with seamless user experience that manages the complexity of booking dental clinics, patient-doctor interaction, education and awareness on dental hygiene, address dental related queries.

AI/ML | Analytics | Reporting | UI/UX

10X
Digitized User experience

94%
Real-time reporting

100%
Privacy & Compliance

Solutioning

Challenges

- Absence of an informative platform that could create awareness about dental care and educate the users.
- Lack of an interactive platform to enable communication by helping individuals raise their queries online and get appropriate solutions.
- Traditional ways to book appointments resulted in wastage of time and accompanied human errors.

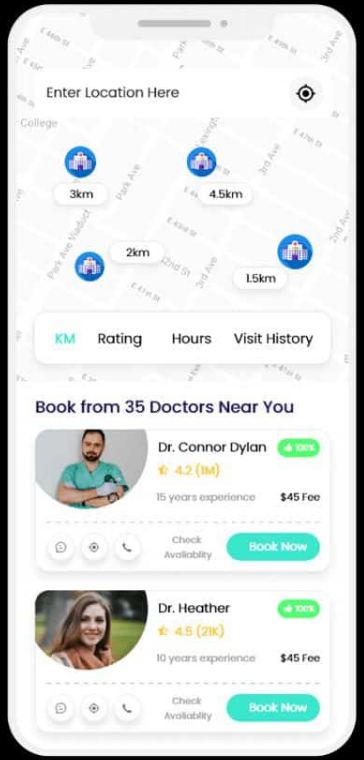
Technical Spotlight

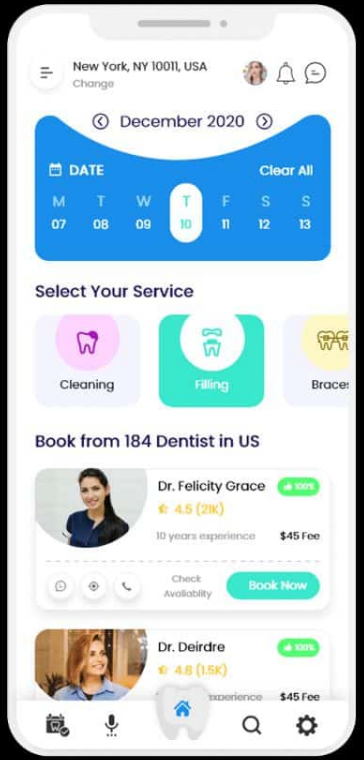
- Implementing Swift language helped us with an improved level of interactivity and ensure a secure development lifecycle.
- Simplified request customization with the help of Alamofire and leveraged SwiftyJSON to call web service APIs.
- For sending OTP, Firebase/Auth was implemented and Firebase/Crashlytics for fetching detailed crash reports.

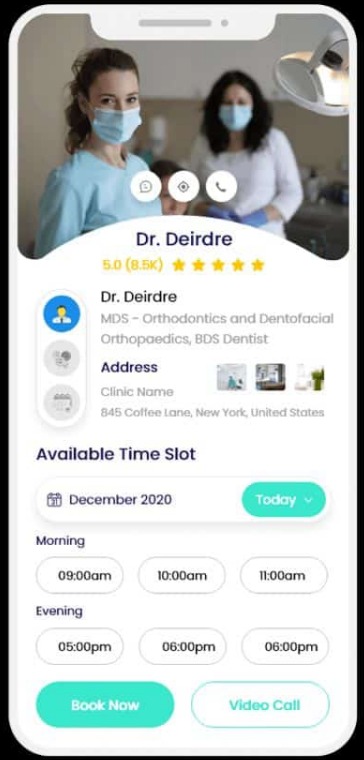
Solution Highlights

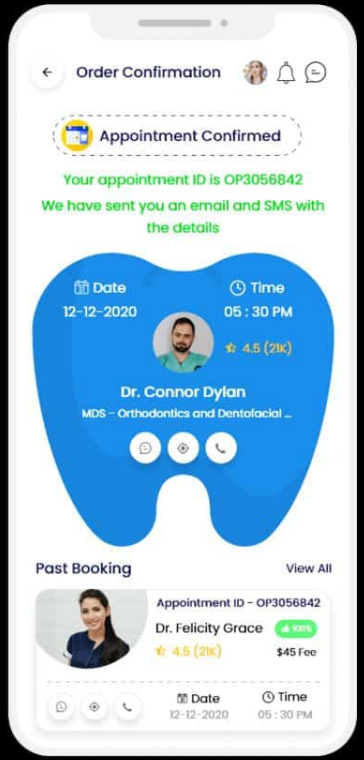
- One-stop application that enables users to gain detailed information about dental issues, explore appropriate treatments in the form of FAQs, dental economics, explainer videos, etc.
- Online and hassle-free appointment booking platform with simple registration, OTP authorization, and utmost security.
- Complete digital dental service solution backed with real-time billing, clinical history, medical reports, etc.

Tech Stack


Enter Location Here
3km
4.5km
2km
1.5km
KM
Rating
Hours
Visit History
Book from 35 Doctors Near You
Dr. Connor Dylan
4.2 (1M)
15 years experience
$45 Fee
Check Availability
Book Now
Dr. Heather
4.5 (21K)
10 years experience
$45 Fee
Check Availability
Book Now


New York, NY 10011, USA
Change
December 2020
DATE
Clear All
M T W T F S S
07 08 09 10 11 12 13
Select Your Service
Cleaning
Filling
Book from 184 Dentist in US
Dr. Felicity Grace
4.5 (21K)
10 years experience
$45 Fee
Check Availability
Book Now
Dr. Deirdre
4.8 (1.5K)
$45 Fee


Dr. Deirdre
5.0 (8.5K)
Dr. Deirdre
MDS - Orthodontics and Dentofacial Orthopaedics, BDS Dentist
Address
Clinic Name
845 Coffee Lane, New York, United States
Available Time Slot
December 2020
Today
Morning
09:00am
10:00am
11:00am
Evening
05:00pm
06:00pm
06:00pm
Book Now
Video Call


Order Confirmation
Appointment Confirmed
Your appointment ID is OP3056842
We have sent you an email and SMS with the details
Date
12-12-2020
Time
05 : 30 PM
4.5 (21K)
Dr. Connor Dylan
MDS - Orthodontics and Dentofacial ...
Past Booking
View All
Appointment ID - OP3056842
Dr. Felicity Grace
4.5 (21K)
$45 Fee
Date
12-12-2020
Time
05 : 30 PM

A Renowned Dental & Health Insurance Agency

A web-based application that seamlessly manages patient insurances and automates and up-level its critical insurance management operations.

Automation | Insurance | Claim management | UI/UX

98%
User-Centric Journey

100%
Accuracy

5X
Transparency

Solutioning

Challenges

- Manual approach for managing patient insurances, lead creation, office creation, etc. resulting in flawed outputs.
- Lacked an effective decision-making process for insurance and claim for dental offices.
- Had difficulty in fetching insights and real-time insurance reports.

Technical Spotlight

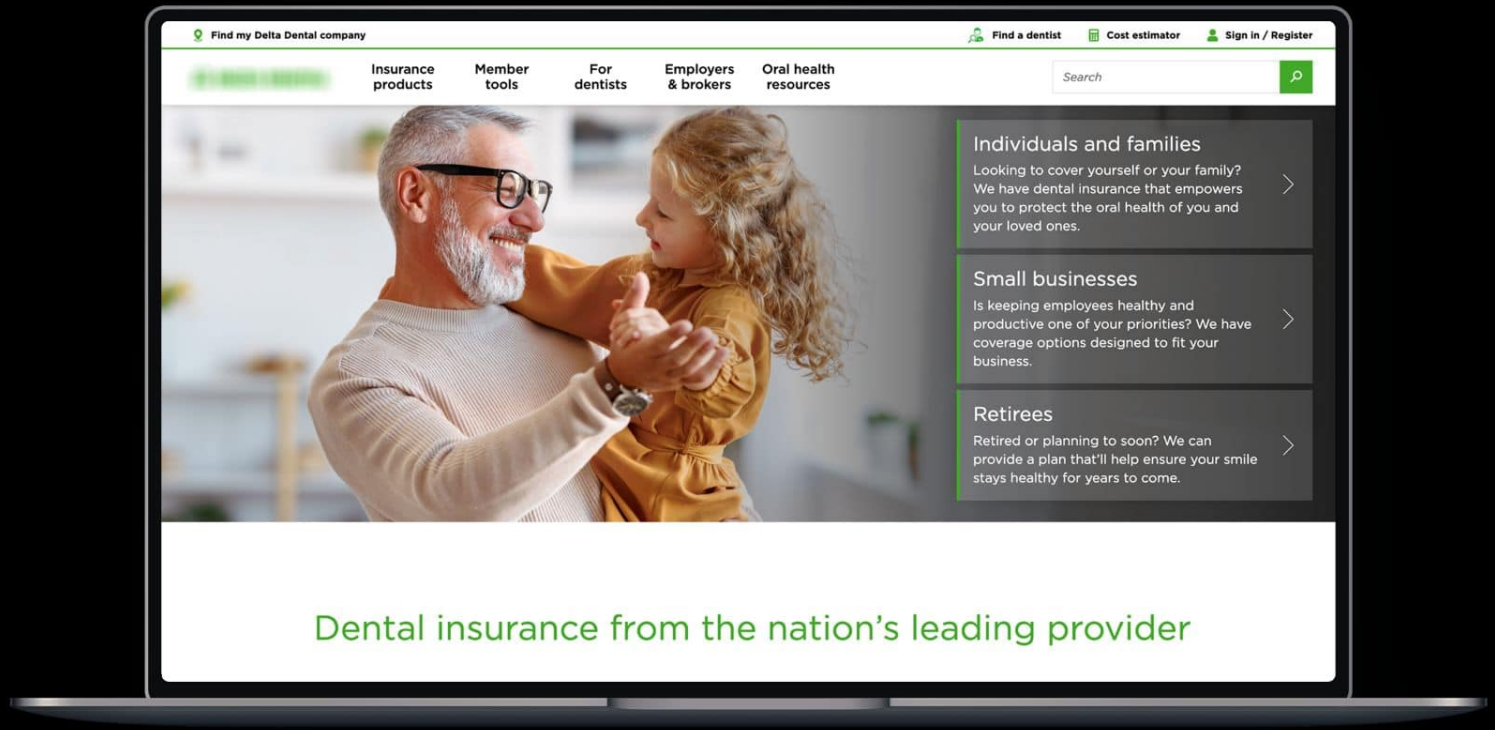
- Deployed MS Entity framework for greater visibility into corporate performance.
- Experienced high flexibility and searching, sorting, and pagination with DataTables.
- Leveraged Dapper for speedy and efficient performance outputs.

Solution Highlights

- An intuitive platform with better alignment between teams and repeatable processes that save time and avoid uncertainty.
- Fully automated lead management, office management, production, and collection management system.
- Accurate and flawless real-time reporting system resulting in driving better lead conversion.

Tech Stack

ASP.NET MVC | Entity Framework | RazorEngine


Find my Delta Dental company
Find a dentist
Cost estimator
Sign in / Register
Insurance products
Member tools
For dentists
Employers & brokers
Oral health resources
Search
Individuals and families
Looking to cover yourself or your family? We have dental insurance that empowers you to protect the oral health of you and your loved ones.
Small businesses
Is keeping employees healthy and productive one of your priorities? We have coverage options designed to fit your business.
Retirees
Retired or planning to soon? We can provide a plan that'll help ensure your smile stays healthy for years to come.
Dental insurance from the nation's leading provider

Case Studies

- EMR/EHR
- Diagnostics
- Pharma & Life Sciences
- **Dental**
- Telehealth
- Patient Centric Initiatives
- IoT
- Hospitals
- AI and Analytics

A Certified Leader in the Dental Care Industry

A modern dental management system that ensures digital & efficient patient experience and real-time and detailed patient insights to the dental practitioners.

Digitalization | Reporting | CMS | UI/UX

95%
Process Integration

100%
Data Automation

100%
Digital Appointments

Solutioning

Challenges

- Difficulty for users to check doctors' availability and book clinic appointments manually consumed a lot of time.
- Manual methods to maintain patient records.
- Checking bed availability manually was a major concern for the clinic attendants.
- Lack of system that could send timely updates to patients and keep them informed of important updates.

Technical Spotlight

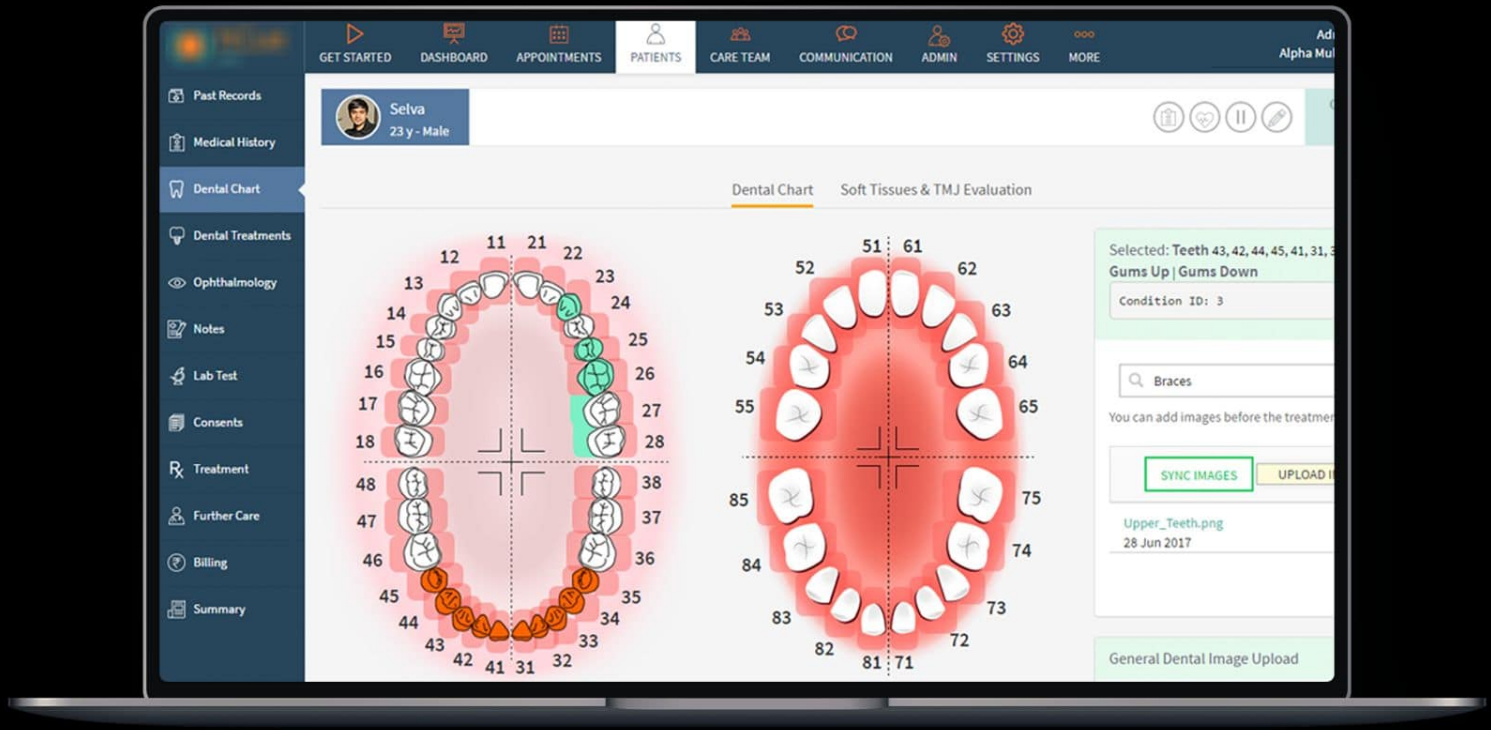
- ASP .NET MVC helped us minimize the development complexity and gain complete user control.
- Dapper helped us with rapid and efficient performance.
- Built dynamic templates with the help of Razor Engine.
- Simplified and streamlined content management with an intuitive CMS.

Solution Highlights

- A digital platform that enables users to check doctors' availability and book online patient appointments.
- Automated data management that incorporates patient health records, medication details, doctor assigned, etc.
- Checking bed availability online is brought to the user's fingertips.
- Automated and timely emails sent to the patients regarding their appointments and other important things in real-time.

Tech Stack

ASP.NET MVC | C# | Microsoft SQL Server | RazorEngine


GET STARTED
DASHBOARD
APPOINTMENTS
PATIENTS
CARE TEAM
COMMUNICATION
ADMIN
SETTINGS
MORE
Past Records
Medical History
Dental Chart
Dental Treatments
Ophthalmology
Notes
Lab Test
Consents
Treatment
Further Care
Billing
Summary
Selva
23 y - Male
Dental Chart
Soft Tissues & TMJ Evaluation
Selected: Teeth 43, 42, 44, 45, 41, 31,
Gums Up | Gums Down
Condition ID: 3
Braces
You can add images before the treatmer
SYNC IMAGES
Upper_Teeth.png
28 Jun 2017
General Dental Image Upload

Case Studies

- EMR/EHR
- Diagnostics
- Pharma & Life Sciences
- **Dental**
- Telehealth
- Patient Centric Initiatives
- IoT
- Hospitals
- AI and Analytics

A B2B Dental & Medical Supplies Marketplace

Developed a centralized B2B marketplace for manufacturers, dealers, medical, and dental professionals along with a complimentary value-add feature that facilitates patient-doctor communications.

Digital Transformation | User Experience | Cloud | Security

89%
Manual operations minimized

99.99%
uptime

100%
Agile

Solutioning

Challenges

- The client lacked a centralized trading system and had communication barriers while connecting with manufacturers, dealers, medical and dental professionals.
- Absence of security regulators that could help in maintaining compliance in a highly regulated system.
- Poor patient-doctor communication and delayed services due to an unsystematic system.

Technical Spotlight

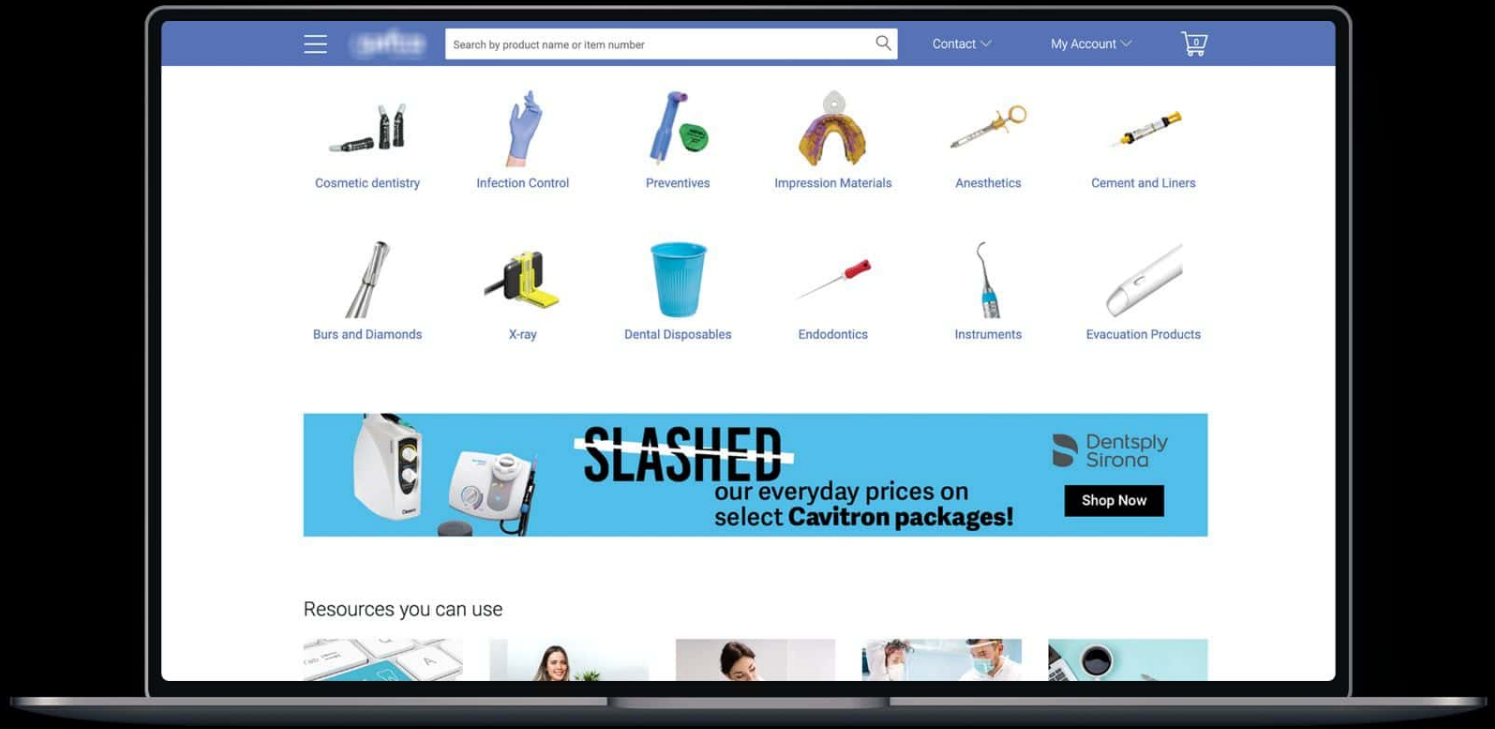
- Leveraged Node.js that enabled efficient performance and ensured the ability to scale smoothly.
- PostgreSQL helped in uplifting security and scalability in the long run.
- To reduce the development cost and get a fast application development experience, we leveraged the Express framework.
- Unix/Linux helped us in improving stability and reliability throughout the portal development.

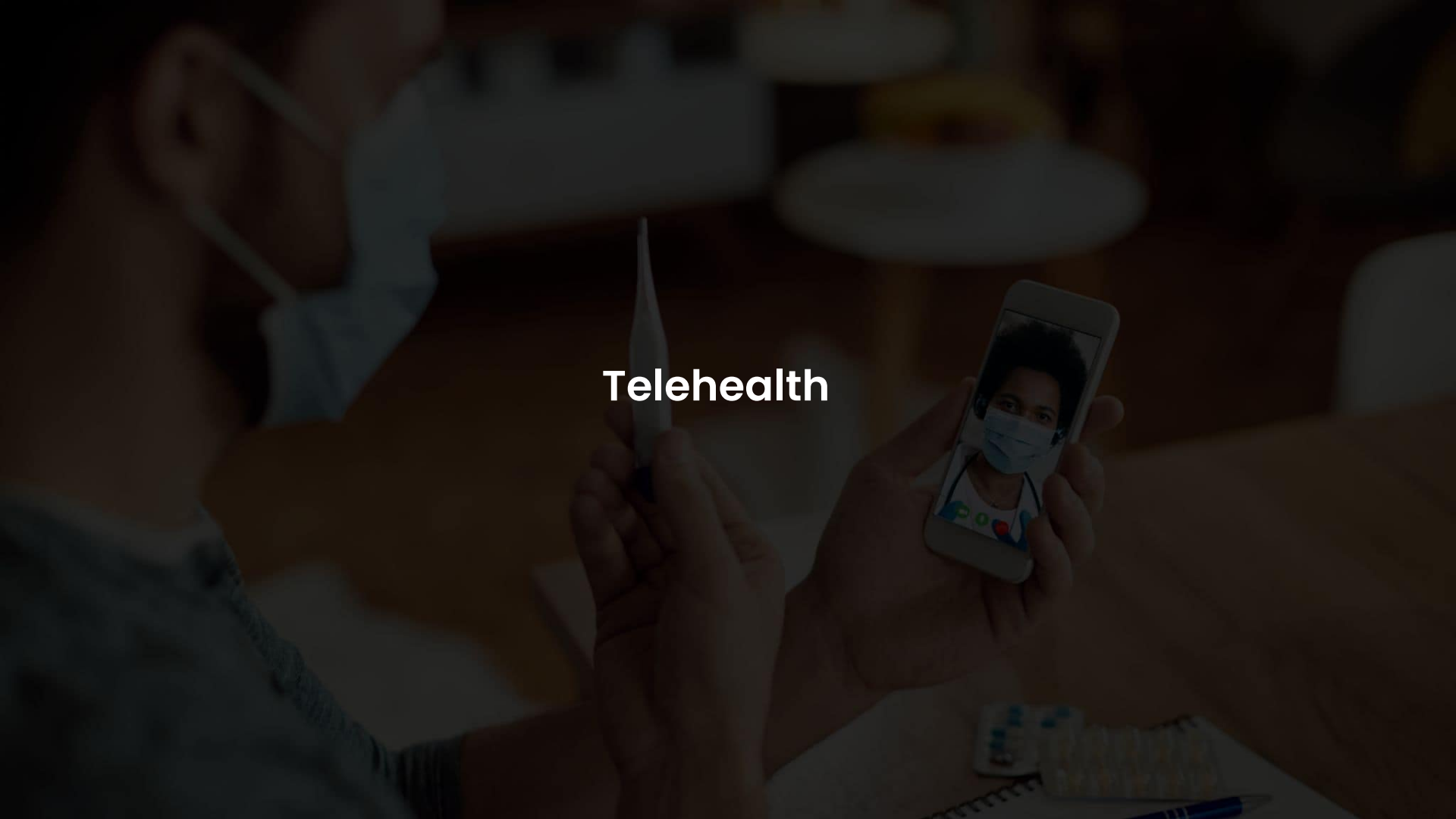
Solution Highlights

- Provided the power and flexibility to every stakeholder over a single platform and helped them trade medical equipment.
- A compliance-centric and agile environment with baked-in security and regulatory.
- An automated system that ensures healthy communication amongst patient-doctor and allows patients to raise queries, get quotes, search and buy medical products online.

Tech Stack

node.js PostgreSQL express


Search by product name or item number
Contact
My Account
Cosmetic dentistry
Infection Control
Preventives
Impression Materials
Anesthetics
Cement and Liners
Burs and Diamonds
X-ray
Dental Disposables
Endodontics
Instruments
Evacuation Products
SLASHED
our everyday prices on
select Cavitron packages!
Dentsply Sirona
Shop Now
Resources you can use


Telehealth

A Major Telehealth Network In The US

Built a smart phone app for hassle-free around-the-clock telemedical consultation.

Telehealth | UI/UX | API Integration | AI/ML

Geolocation

Increased Customer Satisfaction

100%
Secure Payment

Solutioning

Challenges

- Lack of a robust and secured infrastructure for facilitating online payments.
- Absence of an intuitive, dynamic application that allows you to view prescription, care plan and appointments.
- Lack of intuitive features such as e-forms, teleconsultation, and language localization.

Technical Spotlight

- Leveraged Flutter - an open-source mobile application framework - to create expressive and visually attractive UIs, with a range of built-in widgets and the ability to create custom ones.
- Utilized SQLite - a light weighted database - that is easy to use and embed with mobile applications and manage the database ecosystem.
- Integrated SecurePay to process a safe and secure payment transactions.

Solution Highlights

- AI-enabled robust chatbot is integrated with the ability to diagnose symptoms anywhere, anytime. If the symptom requires it, patients can communicate with the clinic using a single click.
- Integrated a payment API to purchase health procedure guides on the app.
- Developed an intuitive, dynamic application that is easy for users to navigate through.
- Integrated language localization for a widener reach of audience.

Tech Stack

Flutter | SQLite | MVVM | SecurePay | Google Maps

Home
Surgeons
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Restoring Credibility in Healthcare
Pursuit of Surgical Excellence
Join the Elite Network
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For Surgeons
Download the iOS app to Signup
Download the Android app to signup
How It Works
Contact us

Case Studies

EMR/EHR

Diagnostics

Pharma & Life Sciences

Dental

Telehealth

Patient Centric Initiatives

IoT

Hospitals

AI and Analytics

A Comprehensive AI-based Remote Telehealth Platform

Created a patient-centric mobile application to streamline the process of perioperative care.

AI/ML | Cloud Computing | Database Management | UI/UX Engineering

Improved Patient Outcomes

IoT-Powered Diagnostic Tools

Increased Efficiency

Solutioning

Challenges

- Difficulty to create the teleconsultation feature utilizing Twilio, which featured capabilities such as managing recording of teleconsulting sessions and integrating pharmacy and lab test modules.
- Absence of Sokcet.io to develop a smart built-in chat application.

Technical Spotlight

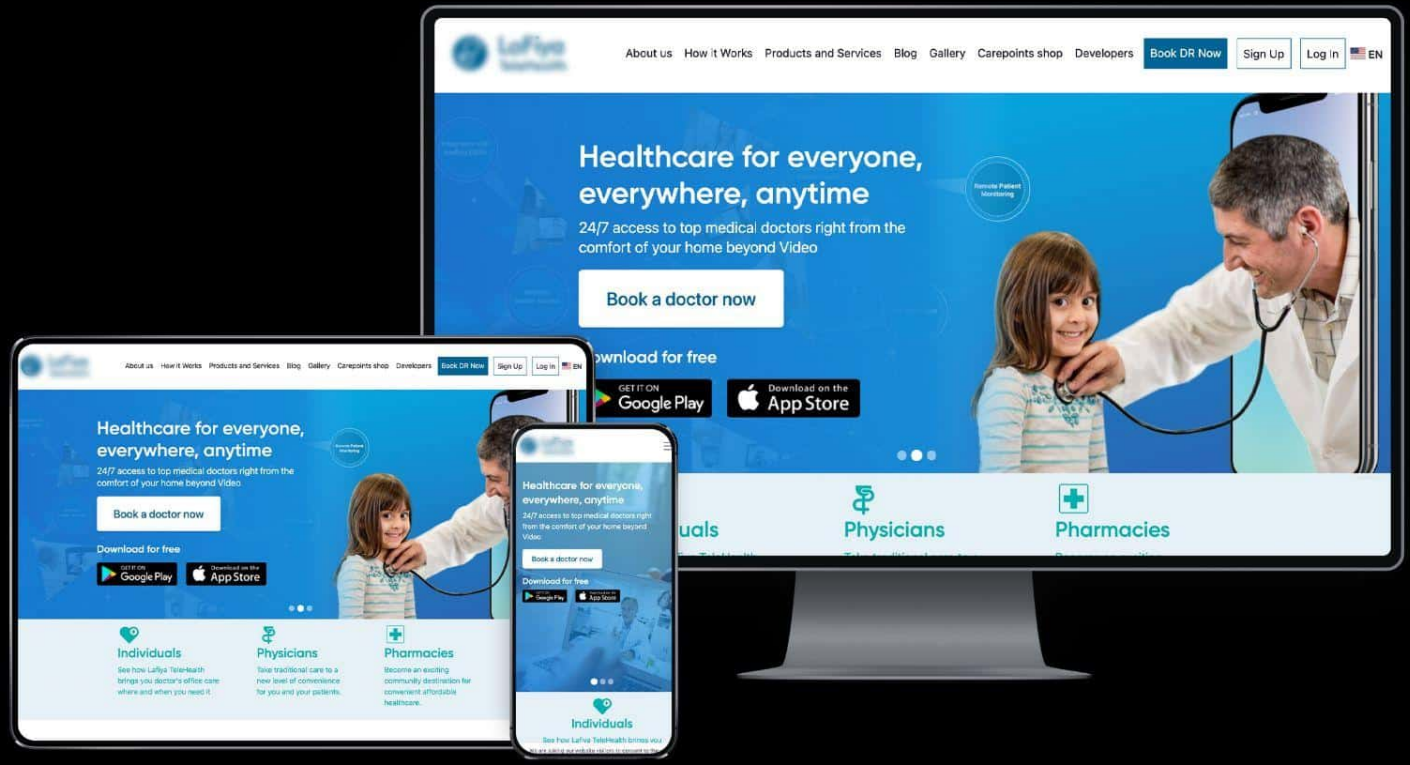
- Leveraged Node.js as a back-end framework along with Angular as a front-end framework to develop dynamic web pages.
- Leveraged MongoDB to manage the database ecosystem.
- Utilized Twilio - a third party component as a customer engagement platform to build unique, personalized experience for users.

Solution Highlights

- Language Localization entails creating web pages in several languages in order to gauge user interest regionally.
- Excellent intuitive, dynamic website design for a satisfied user experience.
- Created a built-in AI-enabled chat application to provide users with quick replies.

Tech Stack

ANGULAR · node · mongoDB. · Microsoft Azure · socket.io · Swagger Supported by SMARTBEAR · twilio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Log In
EN
Healthcare for everyone, everywhere, anytime
24/7 access to top medical doctors right from the comfort of your home beyond Video
Book a doctor now
Download for free
GET IT ON Google Play
Download on the App Store
Physicians
Pharmacies
Individuals

Pioneer In Telehealth Services

Developed a simple and intuitive patient billing charge capture solution focused on delivering a patient-centric experience.

Product Engineering | UI/UX | Cloud Computing | Analytics

55%
Increased Customer Satisfaction

20%
Increased Revenue

40%
Increased Operational Efficiency

Solutioning

Challenges

- Medical professionals are burden with administrative work preventing them from attending to more patients.
- Patients end up losing out on time with their physicians due to regulatory burdens.
- Traditional, paper-based practices result in waste and inefficiency.

Technical Spotlight

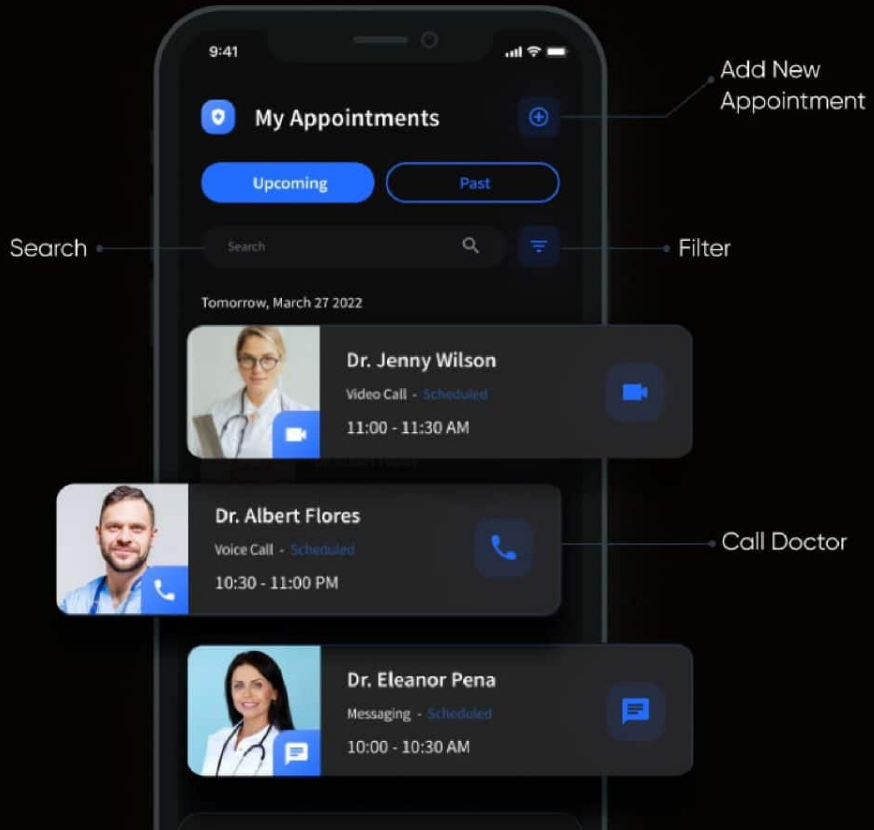
- Leveraged Ruby on Rails to develop the back-end and boost productivity and increase security of the application.
- Used PostgreSQL for secure data storage, facilitating rapid processing and flexibility.
- Integrated Heroku to ensure seamless connectivity between patients and medical professionals to connect via video or chat and share images or videos.

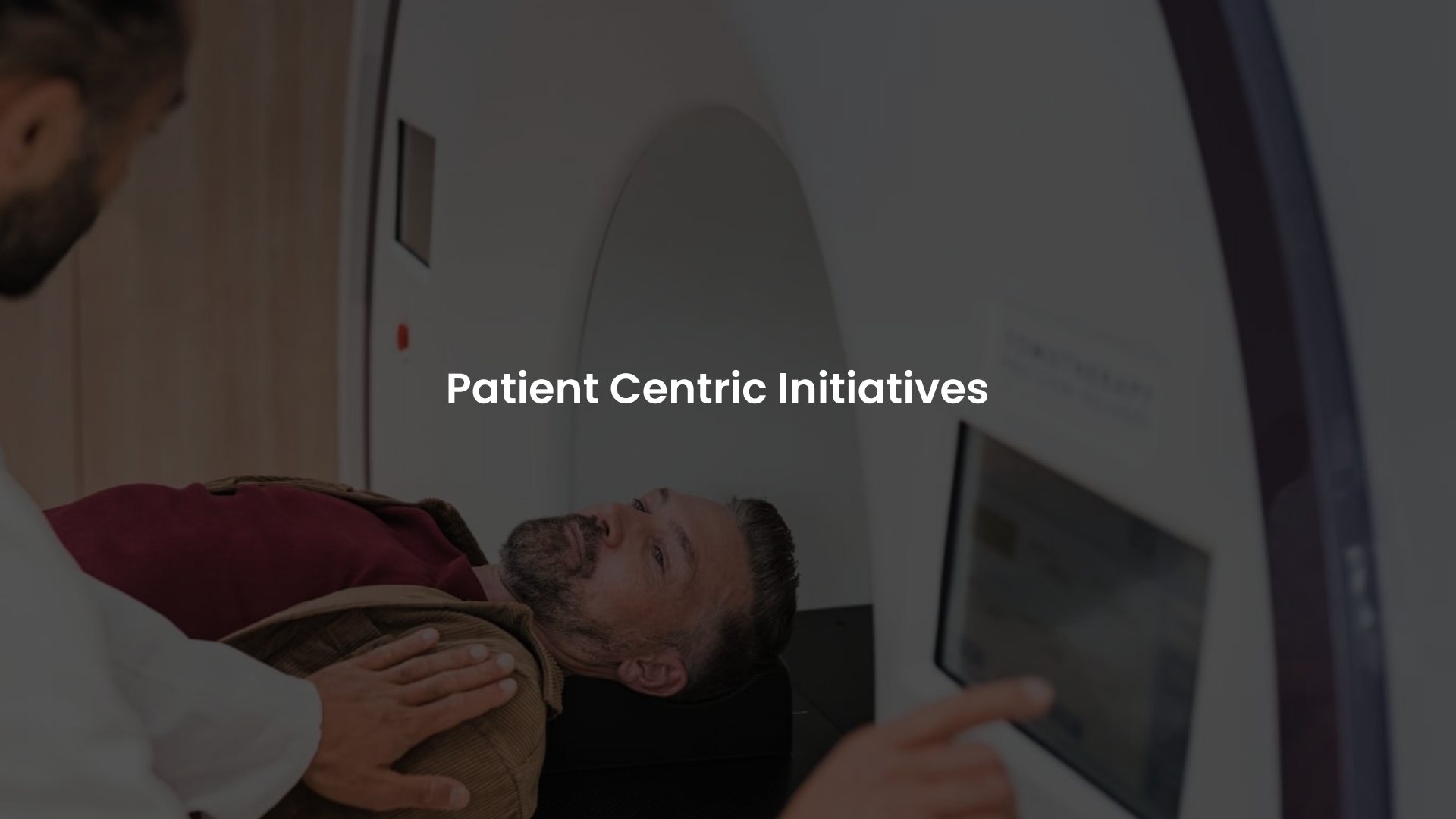
Solution Highlights

- Elimination of numerous paper-driven tasks for medical professionals.
- Quick and simple appointment scheduling and billing for patients.
- Medical professionals can use their personalized dashboard to efficiently manage appointments, payments and prescribing medication.

Tech Stack

RAILS · PostgreSQL · Firebase · HEROKU · iOS


9:41
My Appointments
Add New Appointment
Upcoming
Past
Search
Search
Filter
Tomorrow, March 27 2022
Dr. Jenny Wilson
Video Call - Scheduled
11:00 - 11:30 AM
Dr. Albert Flores
Voice Call - Scheduled
10:30 - 11:00 PM
Call Doctor
Dr. Eleanor Pena
Messaging - Scheduled
10:00 - 10:30 AM


Patient Centric Initiatives

Case Studies

EMR/EHR

Diagnostics

Pharma & Life Sciences

Dental

Telehealth

Patient Centric Initiatives

IoT

Hospitals

AI and Analytics

A New-Age Surgical Concierge Service Provider

Developed a one-of-its-kind interactive platform for patients, surgeons & facilities.

Data Security | UI/UX Services | Product Expertise | Cloud Enablement

Reduce Insurance Payment Retractions

Reduce Malpractice Risk

Boost Profile On PCP Dashboards

Solutioning

Challenges

- The client wanted to bridge the gap of personalized concierge for patients where finding the right surgeons was essential.
- Absence of an interesting and innovative UI design.
- The client desired to eliminate any doctor-related issues, such as practitioners' HITRUST certification.

Technical Spotlight

- Leveraged iOS Swift - a powerful open language - that helps build amazing apps with it's robust and intuitive programming language.
- Google APIs are application programming interfaces (APIs) created by Google that enable communication with Google Services as well as their integration with other services.
- Integrated chat API - an application programming interface that gives access to cloud-based infrastructure and functionality for building scalable real-time chat experiences.

Solution Highlights

- Surgeons receive notifications of new surgical cases through the app and can review med records and imaging on this HIPAA-compliant platform.
- Patients choose their surgeon based on cost, surgeon's outcomes and convenience.
- Added the chat functionality allowing surgeons and patients to easily communicate with one another.

Tech Stack

iOS | Swift | Google APIs

CARE
MEDICINES
CONSULT
DIAGNOSTIC
PROFILE
ALERTS
CALENDAR
REPORT
OCTOBER, 2021
Mon Tue Wed Thu Fri Sat Sun
31 30 1 2 3 4 5
6 7 8 9 10 11 12
Today
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31 1 2
REMINDS ME
DULOXETINE HYDROCHLORIDE 60MG
TAKE MEDICINE
9:00 AM
DULOXETINE HYDROCHLORIDE 60MG
TAKE MEDICINE
17:00 AM
MY HEALTH
85%
HELLO MARIA
Lorem ipsum dolor sit amet, consetetur sadipscing elitr.
HOW ARE YOU DOING?
Anxious
Sad
Joyful
Radiant
CARE TEAM
DRA. ADRIANA SULEY
GERIATRICIAN
000.00-00
DRA. KAREN BRAIN
NEW
GERONTOLOGIST
000.00-00
DR. MARCUS ALBERY
THERAPIST
000.00-00
DR. MONIC CHAMBER
PHYSIOTHERAPIST
000.00-00
DR. AURELIC FREUS
NUTRITIONIST
000.00-00

A Leading Medical Equipment Manufacturer

Established an ecommerce website for showcasing products and an app for monitoring smartwear performance.

Product Engineering | IoT | Data 3D Visualization | AI/ML

10X
Accurate Diagnosis

50%
Decreased Diagnosis Time

30%
Increased Customer Handling

Solutioning

Challenges

- Lack of accurate diagnostic methods for preoperative evaluation.
- Absence of reliable method to know if cancer has spread to the lymph nodes.
- No method of collating data to create accurate 3D renders of the cancerous growth.

Technical Spotlight

- Combined the ultrasonic instrumentation device by us4us with a data acquisition model built in Python.
- Rendered in the data in realistic 3D patterns using a Unreal game engine.
- Increased the quality of output for visualization using Computer Vision Algorithms.

Solution Highlights

- 3D scan of the inner body parts which reveals infections, tumors, and abnormalities with utmost precision.
- An efficient 3-tier multi-tasking architecture was established with a machine algorithm for seamless communication between data and devices.
- Accelerated the systems efficiency by reducing the latency and increasing the image processing capabilities.

Tech Stack

UNREAL ENGINE

python™

JSON

Press releases
Reports
NANOECHO
Company presentation
Press releases

A Leading Healthcare Company Connecting Patients With DMEPOS Providers

Developed an effective portal that enables patients and medical practitioners to connect and achieve their goals.

Product Engineering | UI/UX | Database Management | Cloud Computing

40%
Increased Efficiency

20%
Elevated User Experience

15%
Boosted Revenue

Solutioning

Challenges

- Unmanageable patient load and long wait times.
- Manual work and documentation increased the chances of filling in the wrong information.
- Delays in claim processing and receiving claimed money.

Technical Spotlight

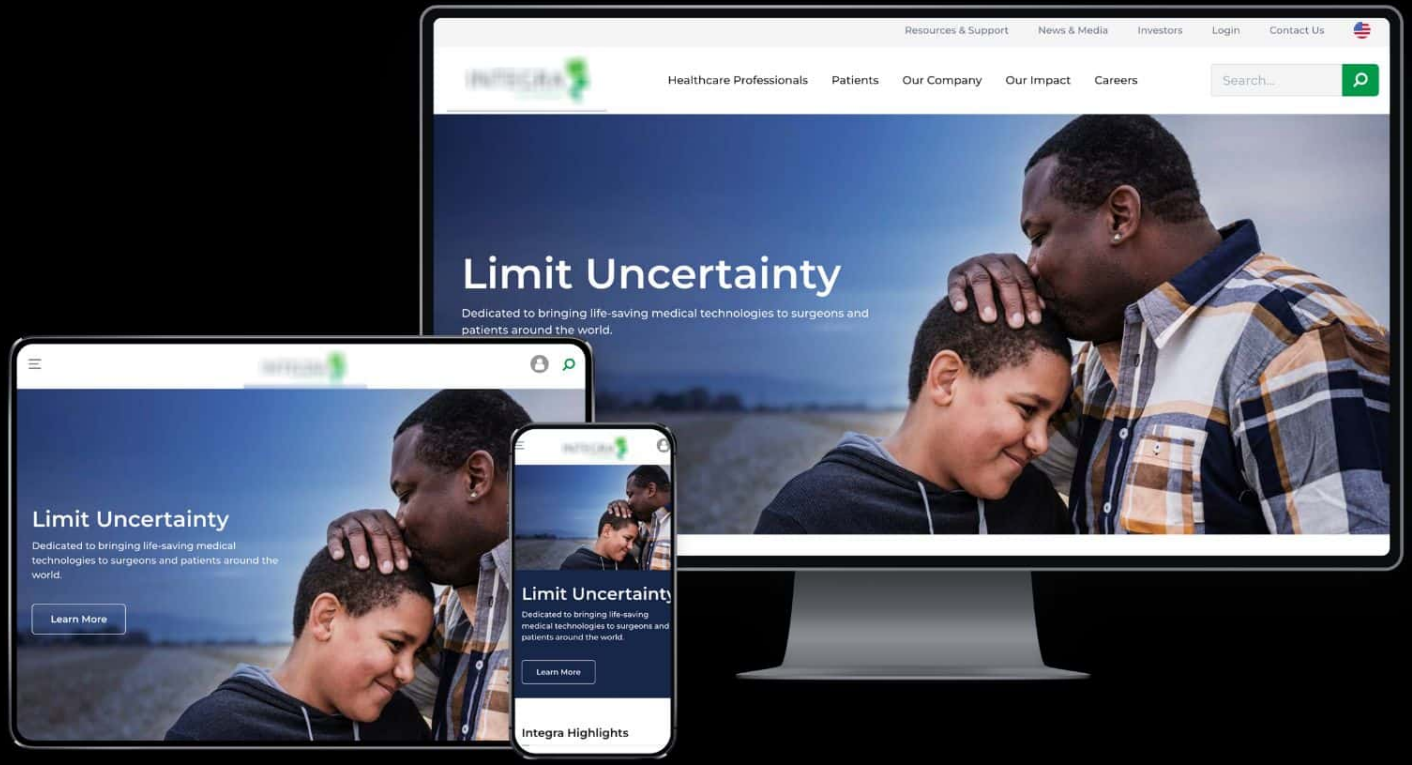
- Leveraged Azure Cloud services to streamline interactions and transactions between payers, providers, and members through a single point of contact.
- Delivered personalized experiences that drive cost savings and improve care quality using the EDI framework.
- Integrated Zendesk for instant and secure payment processing.

Solution Highlights

- Enhance engagement between providers and payers.
- Seamless insurance claim and handling of authorization and referral requests
- Instant access to medical care improved clinical outcomes and reduced operational costs.

Tech Stack

Azure | EDIdEv | zendesk | MySQL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Dedicated to bringing life-saving medical technologies to surgeons and patients around the world.
Learn More
Integra Highlights

A Leading US Based Multi-Specialty Healthcare Company

Developed an intuitive eCommerce website showcasing the clients' products.

Product Engineering | UI/UX | Database Management | CX

30%
Increased Customer Engagement

15%
Boosted Customer Acquisition

25%
Increased Efficiency

Solutioning

Challenges

- Lack of adequate data security protocols left sensitive data at risk.
- Slow loading times with a bland interface and design.
- Absence of locator systems using google maps and newsletter system.

Technical Spotlight

- Reduced coding time and improved security using ASP.NET.
- Improved page loading speed and supported animations using Jquery.
- Crafted a consistent user-experience using SharePoint.

Solution Highlights

- Dedicated pages for showcasing product information, FAQs, and other content pages.
- Creation of a ‘before’ and ‘after’ module for users to upload their photos.
- Integration of ‘Doctor Locator’ module for seamless and instant connection to medical professionals.

Tech Stack

ASP.NET C# jQuery

Home Shop Blog Media ShortCode More

Search products... $0.00

Antiseptic Cardiovascular Surgicals

CareNow Eco Protect Quat Surface Wipes

$95.00

Cidex OPA Disinfection Solution Instrument

~~$110.00~~ $85.00

Halemed Haleciser Spirometer Lung Exerciser

$80.00

Jumper Infrared Thermometer Dual Mode

~~$88.00~~ $60.00

Nulife Powder Free Non Sterile Gloves

$92.00

A Revolutionary Health App Boosting Immunity And Wellness

Enhanced Healthcare App with Immunity Boosting Features and Dozee Integration.

Advanced Features | API Integration | Data Visualization and Customization | Dozee Device Integration

Expanded Services

Enhanced User Experience

Data-driven Insights

Solutioning

Challenges

- Designing a user-friendly interface for displaying Dozee-generated sleep and heart monitoring.
- To accommodate a growing user base and ensuring optimal performance in handling increased data influx.
- Ensuring the security and privacy of user data collected.

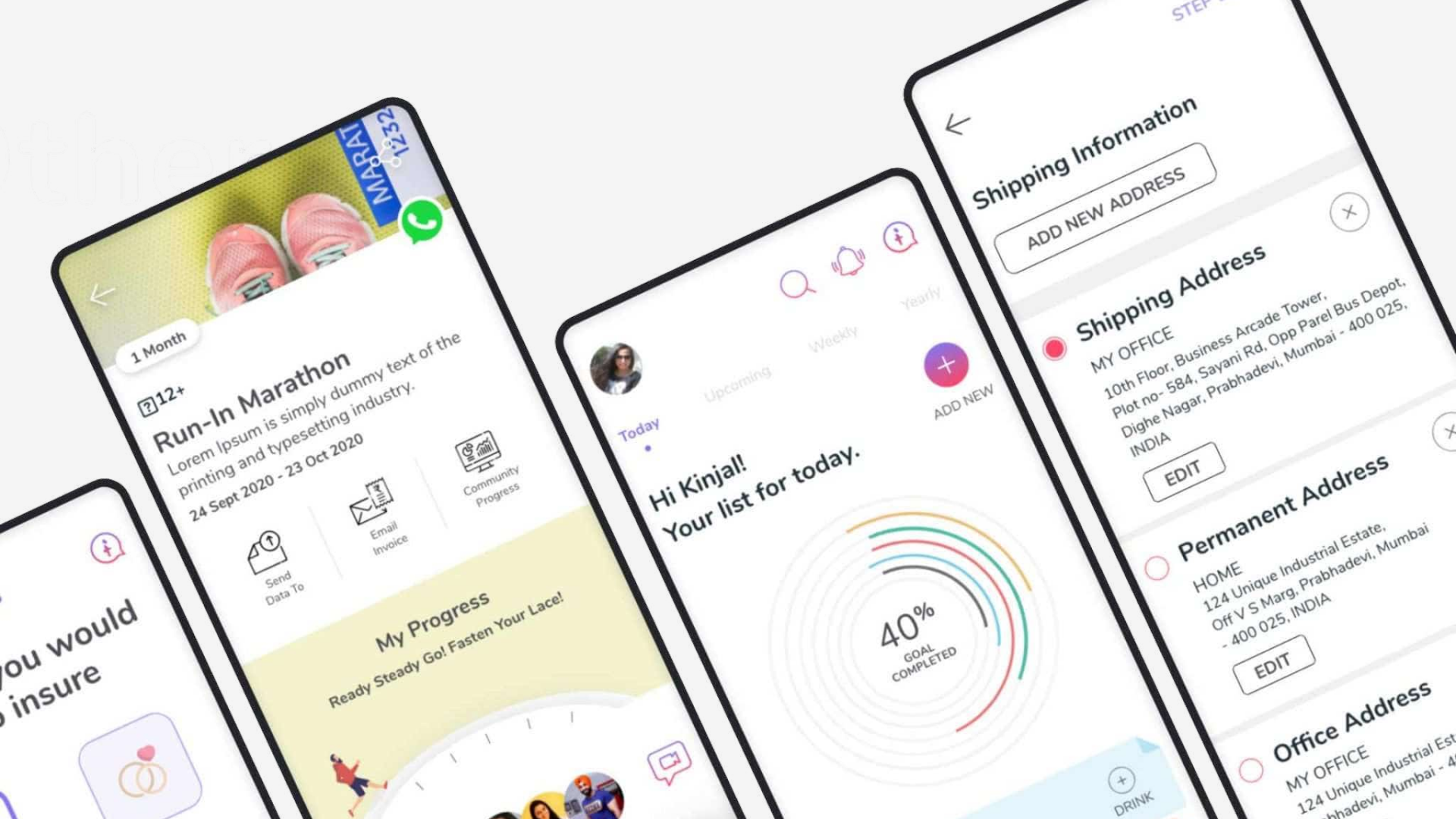
Technical Spotlight

- PHP enables dynamic server-side processing for real-time interface updates.
- MySQL 5.0 ensured reliable and high-performance database management, handling large user data volumes while maintaining integrity.
- Laravel, a secure and reliable PHP framework, offered built-in security features such as CSRF protection, authentication, and authorization mechanisms.

Solution Highlights

- Collaborated with UX/UI designers to create intuitive data visualization techniques and user-friendly dashboards.
- Utilized scalable cloud infrastructure and databases, implemented caching, and optimised API calls to ensure app performance under heavy usage.
- Implemented stringent encryption protocols and access controls to safeguard sensitive health information.

Tech Stack


1 Month
12+
Run-In Marathon
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Send Data To
Email Invoice
Community Progress
My Progress
Ready Steady Go! Fasten Your Lace!
Today
Upcoming
Weekly
Yearly
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GOAL COMPLETED
DRINK
Shipping Information
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Permanent Address
HOME
124 Unique Industrial Estate, Off V S Marg, Prabhadevi, Mumbai - 400 025, INDIA
EDIT
Office Address
MY OFFICE

IoT

Case Studies

- EMR/EHR
- Diagnostics
- Pharma & Life Sciences
- Dental
- Telehealth
- Patient Centric Initiatives
- IoT
- Hospitals
- AI and Analytics

An Indian multinational healthcare enterprise

Built an IoT app to collect, process, and store health data, triggering notifications for anomalies.

IoT | Data Processing | Anomaly Detection and Reporting | Notifications

Comprehensive Health Data Collection

Proactive Anomaly Detection

Timely Notifications

Solutioning

Challenges

- Scaling the IoT cloud application to handle varying data loads.
- Ensuring seamless integration and interoperability with diverse IoT devices collecting health parameters.
- Guaranteeing the reliable delivery of notifications via email or SMS.

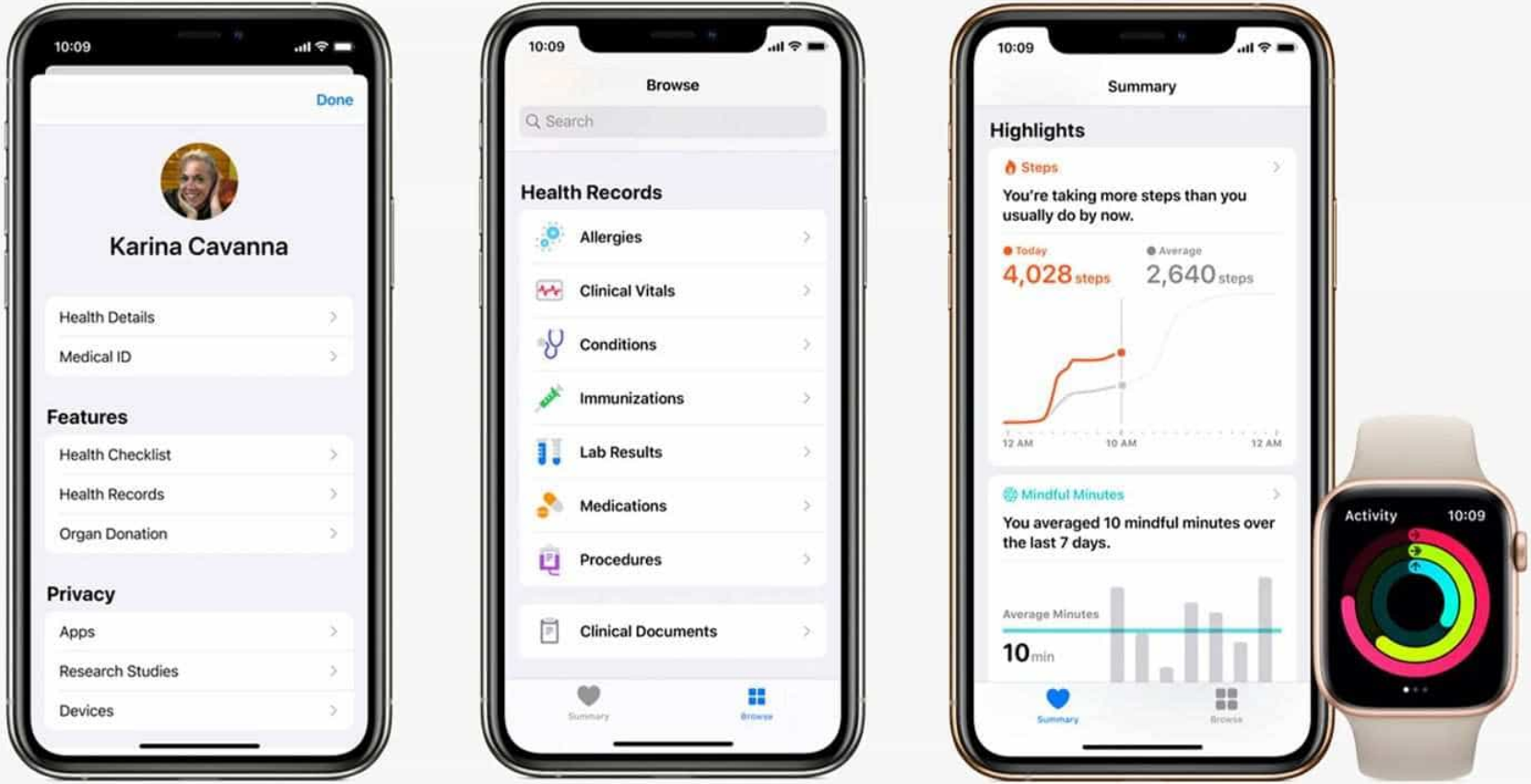
Technical Spotlight

- AWS Cloud provided a scalable and reliable cloud infrastructure.
- Python's readability and ease of integration facilitated the creation of robust IoT applications.
- MQTT enabled fast and reliable communication between notification system components.

Solution Highlights

- Utilize AWS auto-scaling features to dynamically adjust resources based on demand.
- Followed IoT protocols, offered clear integration guidelines, and conducted thorough compatibility tests for seamless data flow with diverse devices.
- Used redundant notification channels, implemented delivery confirmation, and integrated with reliable third-party communication services.

Tech Stack


10:09
Done
Karina Cavanna
Health Details
Medical ID
Features
Health Checklist
Health Records
Organ Donation
Privacy
Apps
Research Studies
Devices
10:09
Browse
Search
Health Records
Allergies
Clinical Vitals
Conditions
Immunizations
Lab Results
Medications
Procedures
Clinical Documents
Summary
Browse
10:09
Summary
Highlights
Steps
You're taking more steps than you usually do by now.
Today
4,028 steps
Average
2,640 steps
12 AM
10 AM
12 AM
Mindful Minutes
You averaged 10 mindful minutes over the last 7 days.
Average Minutes
10 min
Summary
Browse
Activity
10:09

Case Studies

EMR/EHR

Diagnostics

Pharma & Life Sciences

Dental

Telehealth

Patient Centric Initiatives

IoT

Hospitals

AI and Analytics

A medical technology company specializing in medical-grade IoT sensors

Used sockets for live device monitoring, patient profiles, disease analysis, and user-captured media.

User Engagement | IoT | Disease Analysis | Patient Monitoring

Real-time Device Monitoring

Data-Driven Disease Insights

Interactive User Engagement

Solutioning

Challenges

- Ensuring compatibility with a variety of IoT devices for consistent and reliable operation.
- Ensuring seamless and real-time capturing of live device images and video recording.
- Scaling the application to handle a growing user base and ensuring optimal performance.

Technical Spotlight

- JavaScript ensured cross-platform compatibility and seamless integration with diverse IoT devices.
- MobX provided efficient state management, ensuring smooth real-time updates during live image capture and video recording.
- MongoDB, a flexible NoSQL database, enabled seamless scaling and efficient handling of growing data volumes.

Solution Highlights

- Conducted device compatibility tests, offer clear user guidelines, and provide regular updates for new market devices.
- Optimized image/video algorithms, used efficient compression, and prioritized device compatibility for a smooth user experience.
- Used scalable cloud infrastructure, applied load balancing, and continuously optimized app performance.

Tech Stack

Master Health 1
Last 6 hours
JVM Status
UP
App Status
Healthy
Router Status
Up
Disk Utilization %
26%
Job Completion status
Cache Clear
41%
Backup
36%
Server Rest...
12%
Deploymen...
82%
Processes
228
App Response Time
8 s
Thread Count
308
CPU Util %
Memory Util %
Total Request Comparison
This Week
Last Week
Composite Health
Alerts
Memory Utilization alert
ALERTING for a few seconds
Heap Memory Util %
Current Busy Threads Count
DB Resp Time

Case Studies

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A leading designer and manufacturer of dental equipment

Built a react-native IoT app for real-time dental tool monitoring.

IoT Integration | Customization | Maintenance and Tracking | Monitoring

IoT Integration Success

User-Customized Device Monitoring

Optimal Tool Usage Guidance

Solutioning

Challenges

- Integrating wireless connections between the mobile app and IoT devices.
- Designing an effective and user-friendly guidance system.
- Enabling users to add devices for status viewing.

Technical Spotlight

- JavaScript facilitated seamless communication in the wireless integration process.
- UNIX/Linux provided a robust and secure foundation for a reliable guidance system.
- React Native enabled cross-platform device addition, supporting both iOS and Android with a single codebase.

Solution Highlights

- Collaborated with IoT specialists, conducted rigorous testing, and implemented robust protocols for seamless wireless communication.
- Conducted user feedback, iterated on the interface, and added interactive elements for better user understanding.
- Developed friendly interfaces, offered clear instructions, and provided training for effective device addition.

Tech Stack

3:46:56

Hospitals

Case Studies

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A healthcare chain with over 30 multi and super specialty hospitals

Streamlined Operations with 24+ Modules and Seamless Integration of Third-Party APIs.

Customized Dashboards | Tailored Modules | API Integration | Multi-Platform Integration

Customized Dashboards

Integration of External APIs

Tailored Modules

Solutioning

Challenges

- Integrating third-party APIs for pathology testing reports from various machines.
- Enabling access to general staff information, attendance, salary details, and query resolution.
- Developing over 24 modules with distinct functionalities.

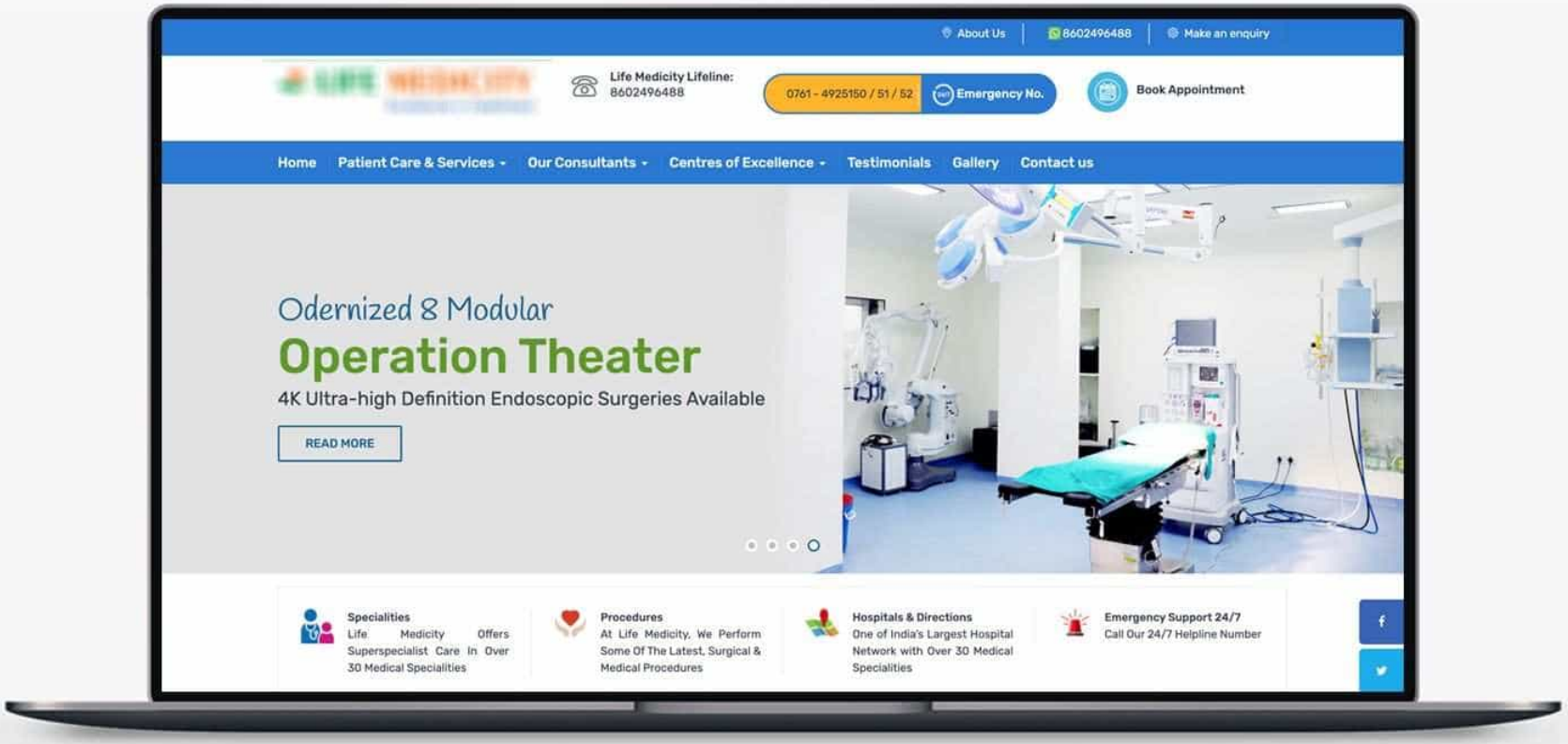
Technical Spotlight

- PHP facilitated dynamic API creation for seamless communication between pathology machines and the server.
- UNIX/Linux ensured reliable deployment, ensuring consistent performance and accessibility for the staff module.
- Twitter Bootstrap ensured consistent design and responsiveness, creating visually appealing, user-friendly interfaces for each module.

Solution Highlights

- Ensured compatibility with various pathology machines through standardized APIs and rigorous testing.
- Designed a centralized staff module with role-specific dashboards, enhancing user access and functionality.
- Planned modules, prioritized tasks, and employed agile methodologies for adaptable development.

Tech Stack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One of India's Largest Hospital Network with Over 30 Medical Specialities
Emergency Support 24/7
Call Our 24/7 Helpline Number

A State-of-the-Art Hearing Hospital for Comprehensive Auditory Care

CMS site streamlined appointments and tests, with expert management in web development, project, and client communication.

Patient Accessibility | Management | Diagnostic Innovation | User Engagement

Enhanced Patient Accessibility

Early Detection of Hearing Issues

Organized Data Management

Solutioning

Challenges

- Managing a large volume of patient data efficiently.
- Ensuring the security of patient data and sensitive information.
- Ensuring Accessibility for All Users.

Technical Spotlight

- HTML 5 provided a robust foundation for structuring patient data and improving organization.
- MySQL 5.0 facilitated secure storage, retrieval, and management of patient data through well-structured databases.
- JavaScript enhances interactivity, enabling dynamic elements for a more engaging user experience.

Solution Highlights

- Implemented a scalable, organized database with regular performance optimization.
- Implemented encryption, conduct security audits, and stay current on cybersecurity best practices.
- Crafted an inclusive, user-friendly interface with accessibility features for diverse needs, including those with disabilities.

Tech Stack

JS AJAX CSS HTML MySQL Windows Server

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- 40-49
- 50-59
- 60-69
- 70-79
- 80-89
- 90+

Case Studies

EMR/EHR

Diagnostics

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Hospitals

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A Not-For-Profit Healthcare System Based In The USA

Streamlined Patient Care, Scheduling, and Medicine Purchase with Hibernate JPA Integration.

- Appointment Management
- Health Record Management
- Medicine Purchase Integration
- Data Management

Seamless Appointment Management

Health Record Management

Convenient Online Medicine Purchase

Solutioning

Challenges

- Ensuring the confidentiality and integrity of online transactions.
- Efficiently managing and retrieving vast amounts of patient data.
- Developing an intelligent appointment scheduling algorithm.

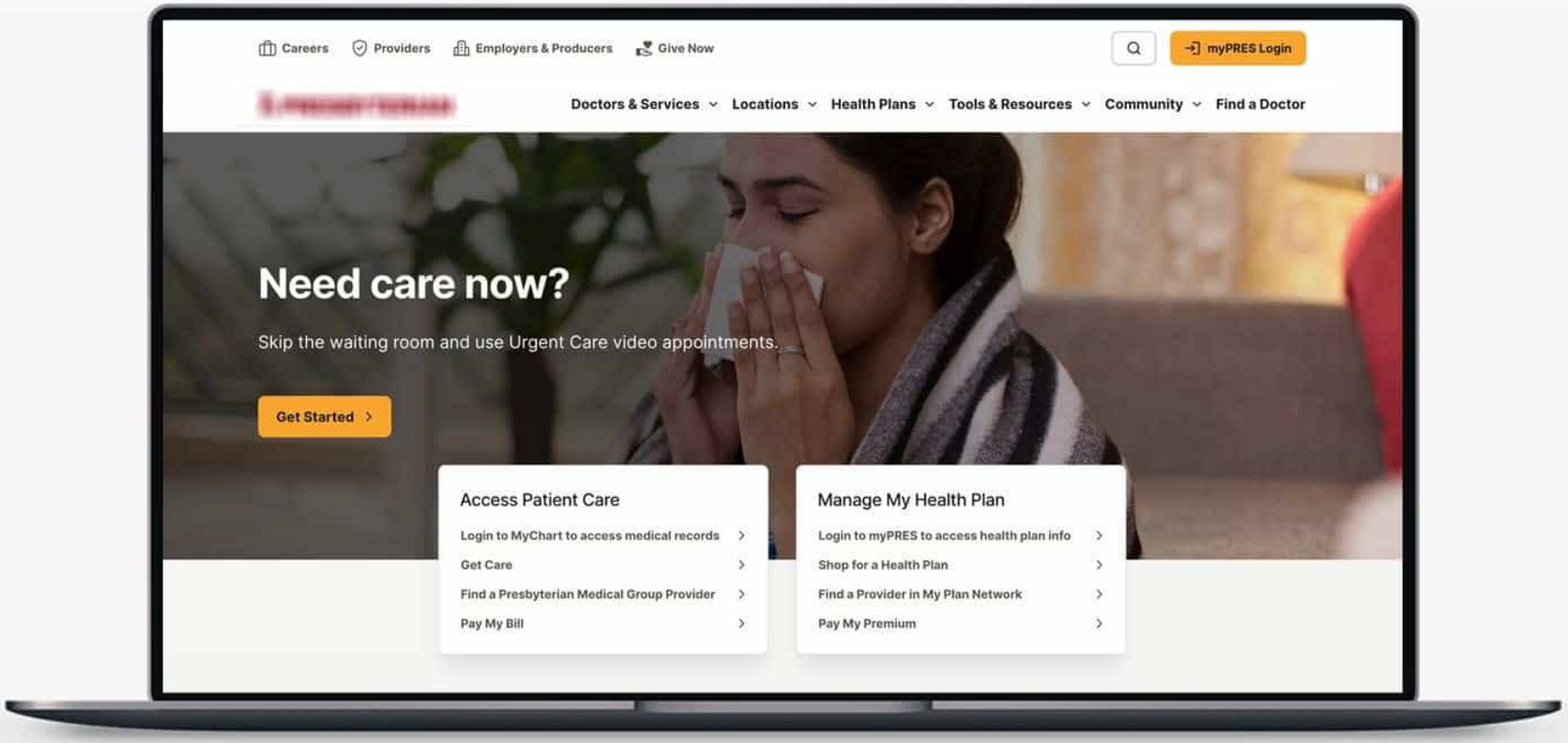
Technical Spotlight

- PayPal added an additional layer of security safeguarding transaction confidentiality and integrity.
- MySQL 5.0 ensured structured storage and swift retrieval of extensive patient data.
- Java/J2EE offered robustness and versatility for complex algorithm development, ensuring scalability and cross-platform compatibility.

Solution Highlights

- Implement robust encryption and secure payment gateways to safeguard online transactions.
- Optimize database design and storage strategies to enhance system performance and scalability.
- Enhanced booking with an algorithm considering doctor availability, patient preferences, and urgent cases.

Tech Stack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Providers
Employers & Producers
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Doctors & Services
Locations
Health Plans
Tools & Resources
Community
Find a Doctor
Need care now?
Skip the waiting room and use Urgent Care video appointments.
Get Started
Access Patient Care
Login to MyChart to access medical records
Get Care
Find a Presbyterian Medical Group Provider
Pay My Bill
Manage My Health Plan
Login to myPRES to access health plan info
Shop for a Health Plan
Find a Provider in My Plan Network
Pay My Premium

AI and Analytics

Case Studies

EMR/EHR

Diagnostics

Pharma & Life Sciences

Dental

Telehealth

Patient Centric Initiatives

IoT

Hospitals

AI and Analytics

A healthcare services company offering RCM & medical coding

Developed a Dashboard to analyse and enhance claims management efficiency and accuracy.

Data Analysis and Visualization | Claims Efficiency | Data Extraction | CX

Enhanced Claims Efficiency

Data Analysis and Visualization

Informed Decision-Making

Solutioning

Challenges

- The integration of data from various sources while maintaining consistency.
- The effective identification and categorization of denial patterns for more efficient claims management.
- Creating a easy to use Denial Management Dashboard for a diverse clientele.

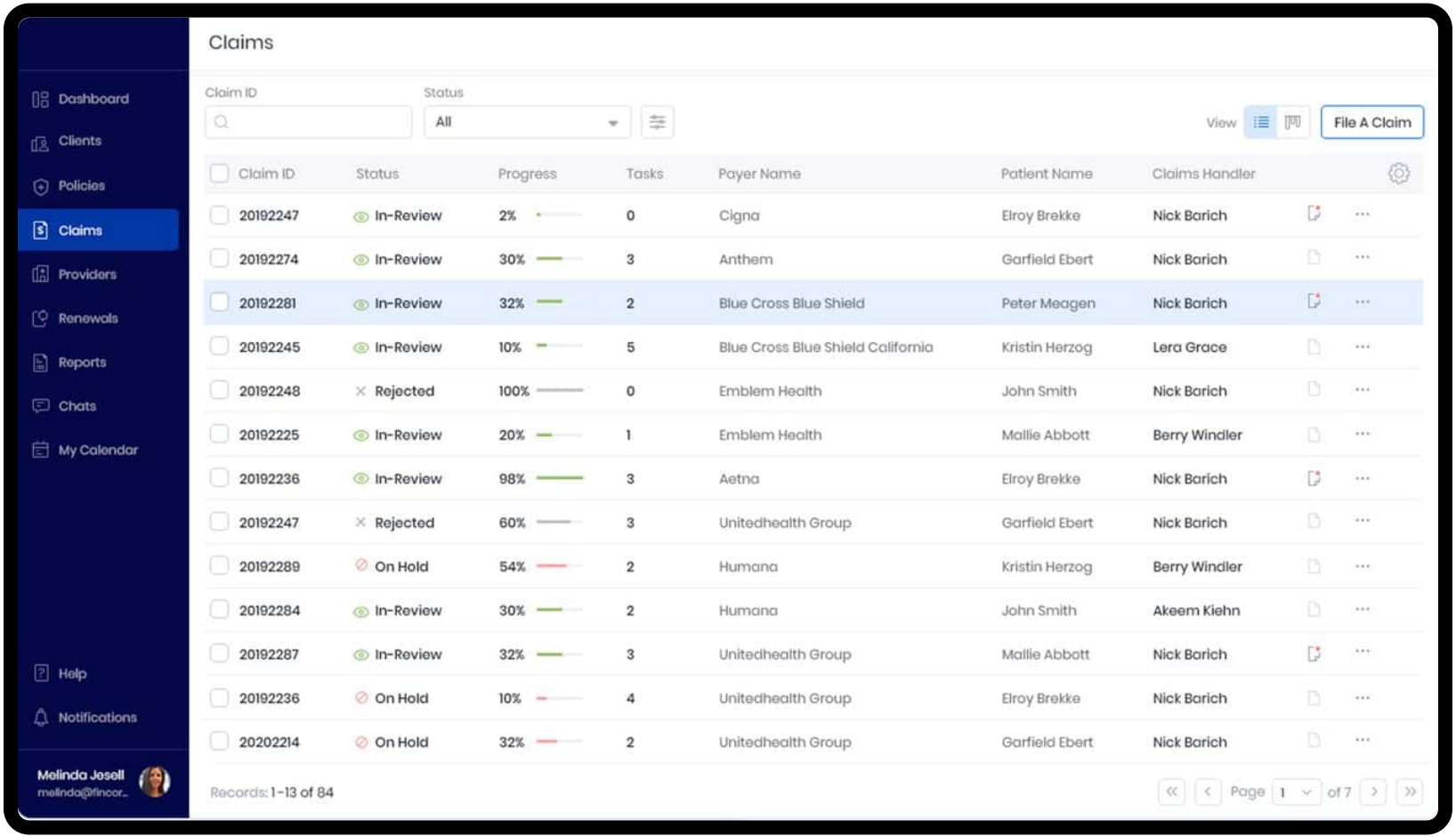
Technical Spotlight

- SQL provided a powerful and standardized language for database interaction, crucial for extracting and integrating data from diverse sources.
- Excel facilitates user-friendly data analysis, streamlining the presentation of actionable insights in claims management.
- Python streamlined coding and customization, enhancing user-centric feature development in the dashboard.

Solution Highlights

- Implemented a robust strategy for extracting and integrating data from diverse sources using SQL.
- Using advanced analytics to categorize denial patterns and provide actionable insights for streamlined claims management.
- Prioritized a user-centric design, collaborating closely with end-users to ensure an intuitive and user-friendly dashboard.

Tech Stack


Claims
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Clients
Policies
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Reports
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Status
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Tasks
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Patient Name
Claims Handler
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20192274 In-Review 30% 3 Anthem Garfield Ebert Nick Barich
20192281 In-Review 32% 2 Blue Cross Blue Shield Peter Meagen Nick Barich
20192245 In-Review 10% 5 Blue Cross Blue Shield California Kristin Herzog Lera Grace
20192248 Rejected 100% 0 Emblem Health John Smith Nick Barich
20192225 In-Review 20% 1 Emblem Health Mallie Abbott Berry Windler
20192236 In-Review 98% 3 Aetna Elroy Brekke Nick Barich
20192247 Rejected 60% 3 Unitedhealth Group Garfield Ebert Nick Barich
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20192284 In-Review 30% 2 Humana John Smith Akeem Kiehn
20192287 In-Review 32% 3 Unitedhealth Group Mallie Abbott Nick Barich
20192236 On Hold 10% 4 Unitedhealth Group Elroy Brekke Nick Barich
20202214 On Hold 32% 2 Unitedhealth Group Garfield Ebert Nick Barich
Records: 1-13 of 84
Page 1 of 7

Case Studies

EMR/EHR

Diagnostics

Pharma & Life Sciences

Dental

Telehealth

Patient Centric Initiatives

IoT

Hospitals

AI and Analytics

A Pioneer In Redefining Remote Patient Monitoring

Utilized AI-powered remote monitoring to manage approximately 5 million people with chronic conditions.

Customization | AI | Algorithmic Patient Segmentation

Efficient Patient Stratification

Enhanced Self-Monitoring

Patient-Caregiver Collaboration

Solutioning

Challenges

- Optimizing the cost and effort of monitoring a population of nearly 5 million individuals with chronic conditions.
- Providing tailored and effective solutions for various health conditions.
- Addressing data privacy concerns and ensuring accurate patient segmentation for targeted interventions.

Technical Spotlight

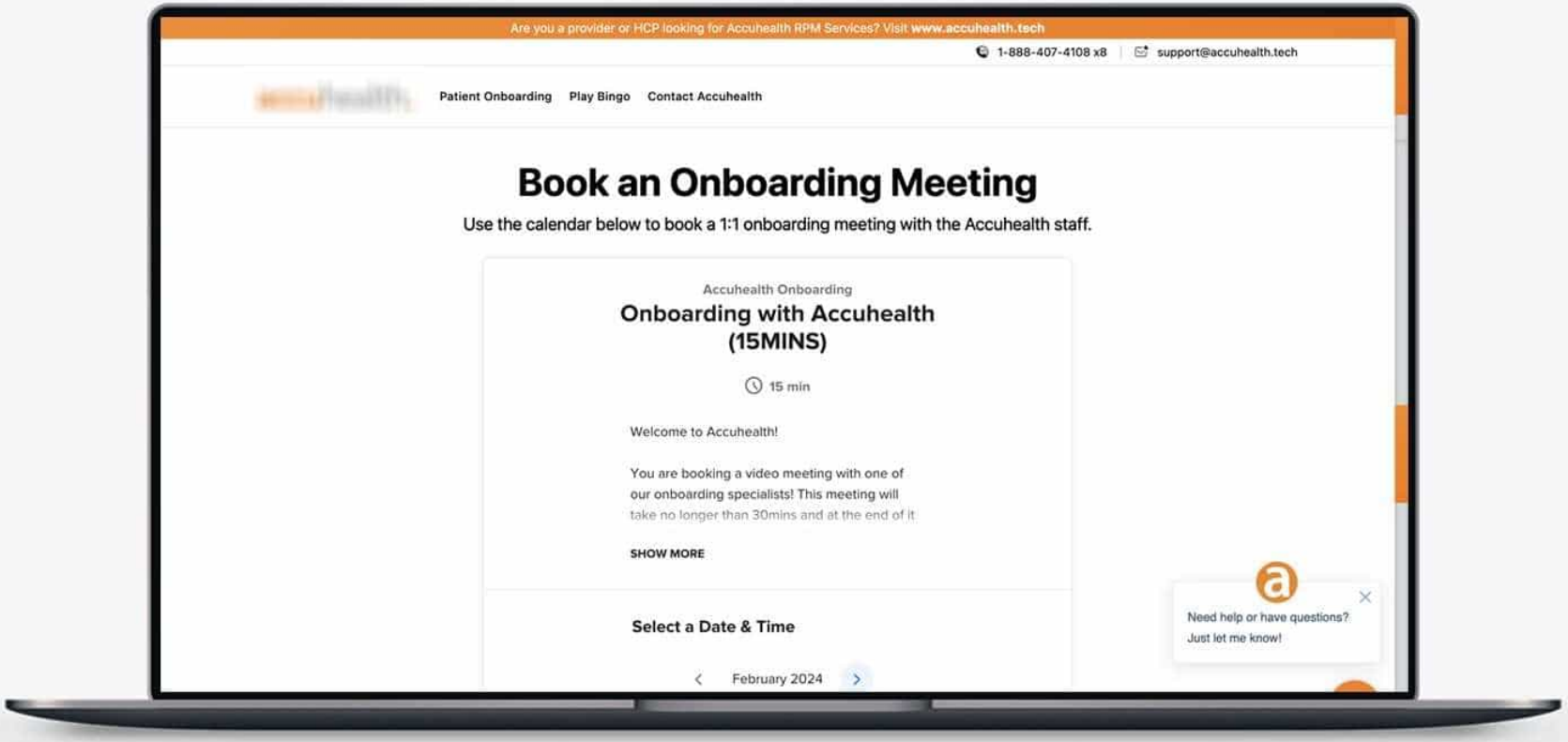
- Utilize AI remote monitoring for instant patient stratification.
- Utilized a range of clinically validated devices for the development of customized monitoring kits.
- Utilized anonymization techniques in algorithm training and applied trend-based segmentation.

Solution Highlights

- Deploy AI remote monitoring to instantly stratify and guide health coaches to high-risk cases.
- Customized monitoring kits for diabetes, hypertension, chronic obstructive pulmonary disease, and post-acute care.
- De Identified records in algorithm training and implemented trend-based segmentation for targeted interventions.

Tech Stack

ASP.NET C# jQuery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February 2024
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The Largest And Most Comprehensive Medical Center In Israel

Revolutionized Radiology Workload with AI Integration for Swift Diagnosis of Life-Threatening Conditions

Performance Evaluation | AI | Time-Sensitive Diagnosis

Reduction in Time to Treatment

Diagnostic Accuracy

Improved Efficiency

Solutioning

Challenges

- Ensuring quick adoption of the AI solution among radiologists.
- Exploring ways to expand the use of AI beyond critical cases and brain imaging to non-emergent conditions and additional modalities.
- Building and maintaining trust in AI decision-support tools.

Technical Spotlight

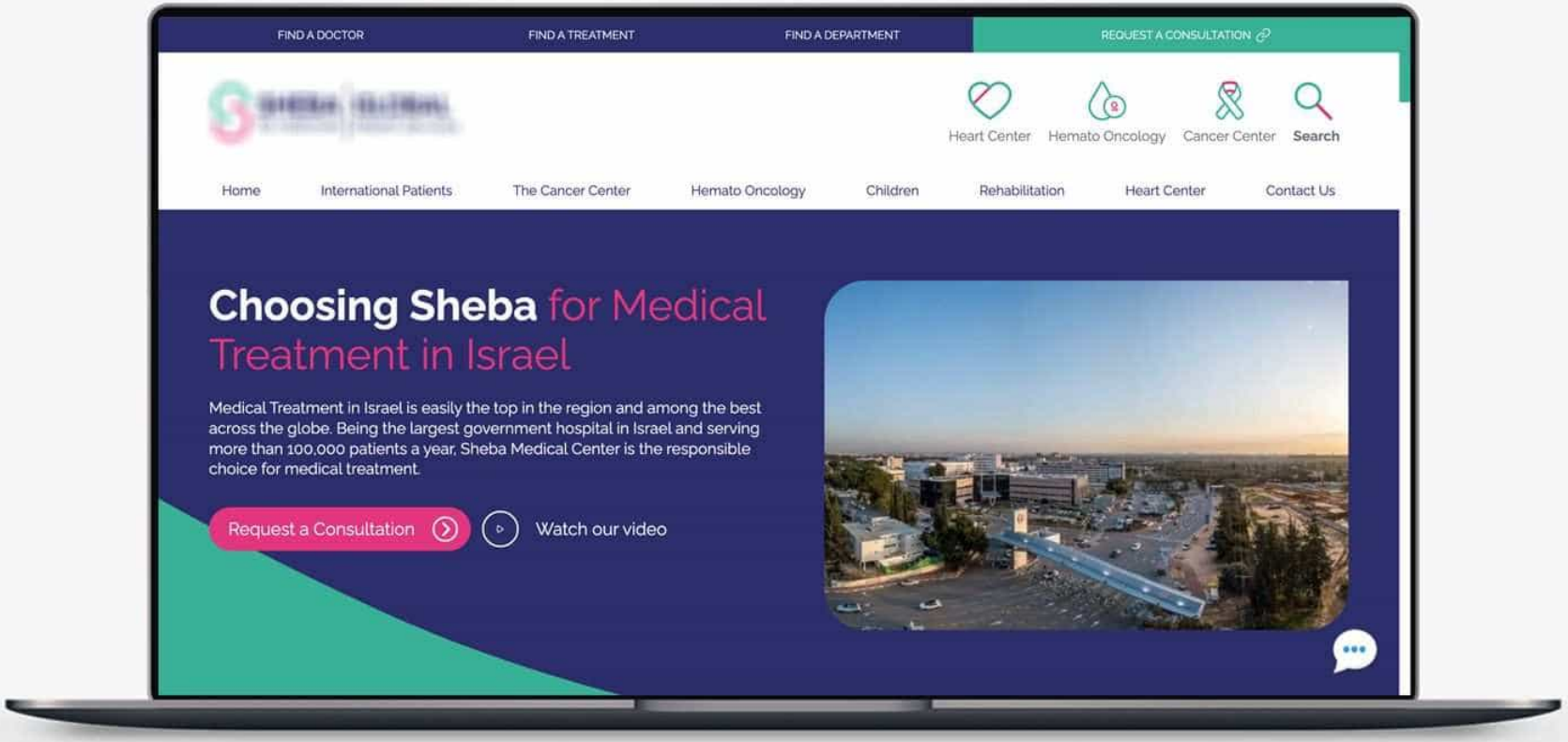
- Utilized advanced IT infrastructure and robust data security measures to deploy AI.
- Expanded AI applications to enhance diagnostics, improve image quality, reduce MRI time, etc.
- Utilized advanced AI technology to achieve a 96% accuracy rate.

Solution Highlights

- Deployed AI, leveraging advanced IT and data security, fostering innovation and collaboration between physicians and developers.
- Expanded AI to improve diagnostics, image quality, reduce MRI time, minimize radiation, and standardize reporting in various medical conditions.
- Created highly accurate AI solutions (96%), minimizing false positives to instill trust in radiologists.

Tech Stack

ASP.NET C# jQuery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