NeoSOFT®

Capabilities

Driving Digital Outcomes in the Oil & Gas 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

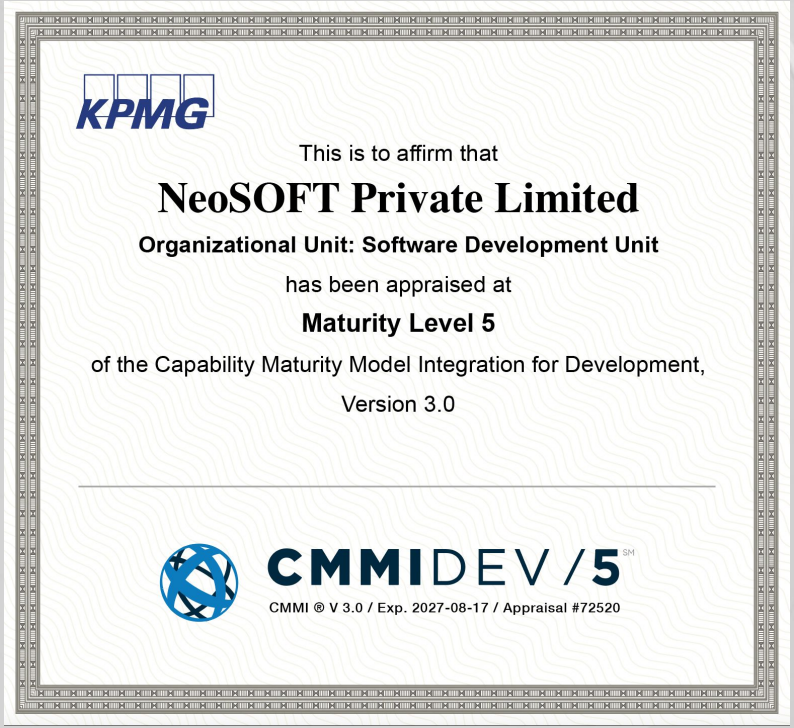
- **2000+** Products Engineered
- **1500+** Applications Developed
- **12+** Awards
- **20+** Million Development Hours

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

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

Global Leader in Manufacturing Fuel Products

Built a smart automation tool for gas-pipes welding process.

Product Engineering | Automation | IoT | Sensors

Outcomes

Improved Visibility

- Simple yet intuitive UI that provides real-time status on the automated and remotely monitored welding activity and helps identifying abnormalities.

Quality Outcomes

- Automation of welding gas pipes using advanced technologies yielded precision and superior outcomes.

Improved Productivity

- Elimination of the traditional manual welding process boosted productivity and overcame the risk of human casualties.

Solutioning

Challenges

- Achieving high-levels of productivity was crucial as the client operates in the oil and gas sector, where factors such as time, yield, and budgets were necessary to be kept as minimal.
- Leveraging IoT Technology in the industrial framework required coupled efforts ensuring that the communication between the hardware devices and the software was thoroughly built.

Technical Spotlight

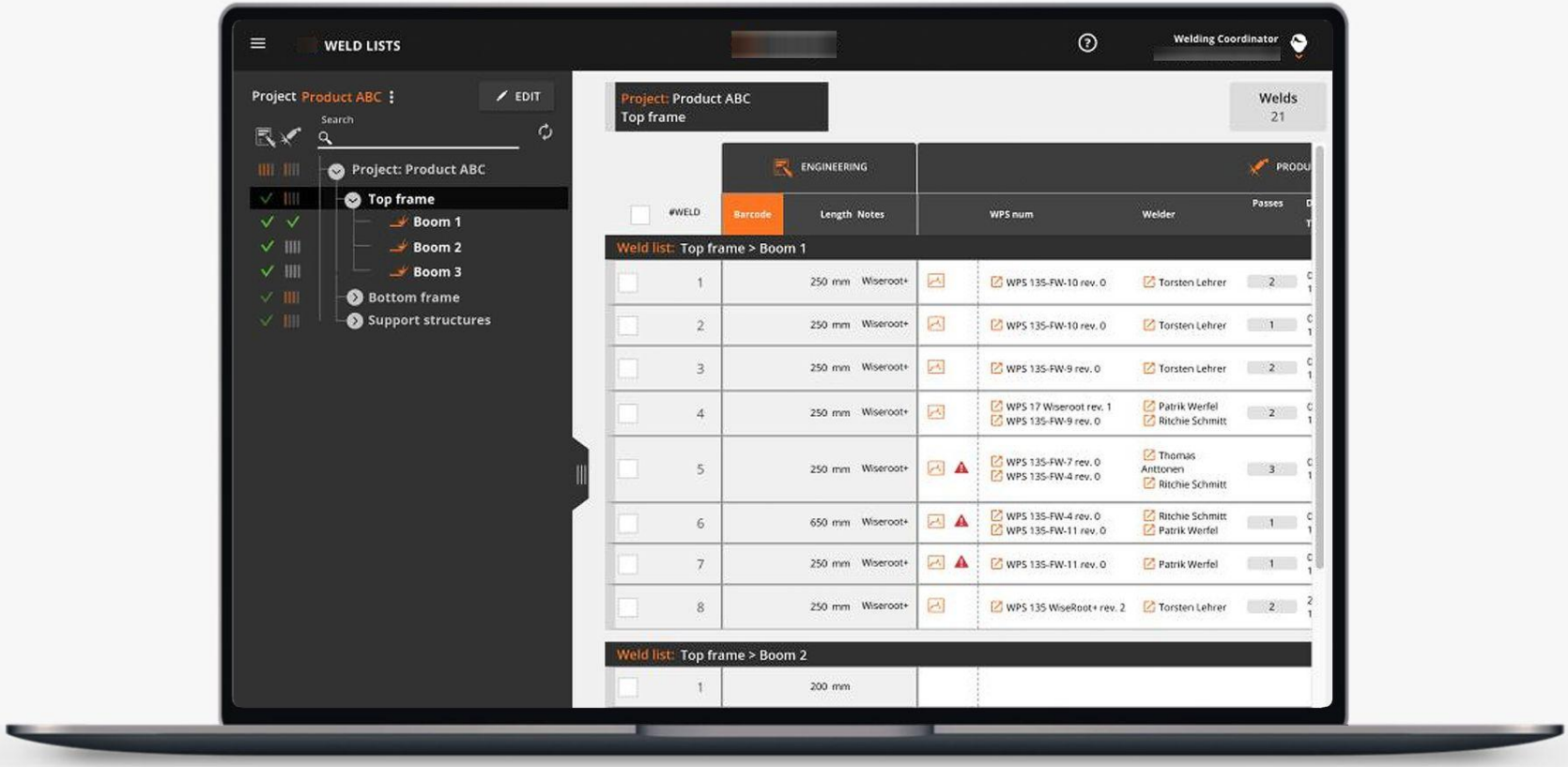
- **Node. js** supports the MQTT protocol, commonly used by IoT apps, making it easy to connect to independent and third-party services and prepare it for integration through multiple environments.
- IoT in welding offered delivering insights on system performance that led to identifying communications between systems and deriving performance data.

Solution Highlights

- The application developed for the oil and gas industry automates the welding process for pipes of diameter ranging from 6-8 inches. The process involves welding from inside as well as outside with well precision and accuracy.
- The project is based on the IoT platform and establishes server to server communication and server to client communication.
- Integration of various cameras and sensors to perform precise welding and rotation and movement modules to move the torch in various positions.

Tech Stack

node JS | JS | mongoDB | express | ANGULAR | socket.io


WELD LISTS
Welding Coordinator
Project Product ABC
EDIT
Search
Project: Product ABC
Top frame
Boom 1
Boom 2
Boom 3
Bottom frame
Support structures
Project: Product ABC
Top frame
Welds
21
ENGINEERING
PRODU
#WELD
Barcode
Length
Notes
WPS num
Welder
Passes
Weld list: Top frame > Boom 1
1 250 mm Wiseroot+ WPS 13S-FW-10 rev. 0 Torsten Lehrer 2
2 250 mm Wiseroot+ WPS 13S-FW-10 rev. 0 Torsten Lehrer 1
3 250 mm Wiseroot+ WPS 13S-FW-9 rev. 0 Torsten Lehrer 2
4 250 mm Wiseroot+ WPS 17 Wiseroot rev. 1 WPS 13S-FW-9 rev. 0 Patrik Werfel Ritchie Schmitt 2
5 250 mm Wiseroot+ WPS 13S-FW-7 rev. 0 WPS 13S-FW-4 rev. 0 Thomas Anttonen Ritchie Schmitt 3
6 650 mm Wiseroot+ WPS 13S-FW-4 rev. 0 WPS 13S-FW-11 rev. 0 Ritchie Schmitt Patrik Werfel 1
7 250 mm Wiseroot+ WPS 13S-FW-11 rev. 0 Patrik Werfel 1
8 250 mm Wiseroot+ WPS 13S WiseRoot+ rev. 2 Torsten Lehrer 2
Weld list: Top frame > Boom 2
1 200 mm

One of the Largest Integrated Energy and Chemicals Companies

Engineered an IoT-based solution for industrial equipment monitoring.

Industrial IoT | Sensors | Integration | Data Analytics

Outcomes

Improved Visibility

- The system provides a clear visibility on equipment availability, performance, downtime, and its condition.

Accelerated Operations

- Real-time tracking of equipments enabled the client to identify bottlenecks and ensure 99.99% uptime of the manufacturing process.

Operational Insights

- The data captured on a real-time basis is integrated with ERP which delivers insights on the operation efficiencies and manufacturing productivity.

Solutioning

Challenges

- Difficulty in keeping a track of equipment performances that have been added to the production line.
- Minimize unplanned downtime and establish transparency throughout the equipment's lifecycle.
- Lack of system that could capture the production milestones and perform analysis to derive the gaps.

Technical Spotlight

- Connecting PLC, controllers, and sensor-based devices to one platform.
- For serving machine views, Express.JS HTTP server has been used.
- Connecting devices to the SAP Cloud.

Solution Highlights

- Manufacturing process orchestration by real-time tracking.
- Show real-time dashboards of the machine on the shop floor, generate reports and KPIs.
- Handling massive amounts of data emitted by sensors.
- Enable safe and secure operations, monitor equipment availability, condition, and performance.

Tech Stack

node JS | TS | JS | PostgreSQL | Raspberry Pi | Compulab


Search
Pump 2755
Home
Administration
Direct Customers
Europe
North America
Midwest
Anderson Co.
Anderson Environmental Mor
Asset Tracker - 5
Environmental Monitor - 2
Environmental Monitor - 3
Environmental Monitor - 5
Motor Monitor TAGBB105914
Pump 54
Pump 2033
Pump 2755
Pump 4501
Pump 8324
Pump - 1
Pump - 7
Pump - 8
Pump - 9
Pump - 12
Pump - 3234
Tracker 0001
Tracker 0002
Tracker - 0003
Vehicle 004
CBG Industries
McClure's Distributor
Nelson
Realtime
HMI View
Jobs
Historical
Signal Table
Chart
Gauges
Content Views
Maintenance
Overview
25.27 psi
16.33 psi
90.14°F
1900.82 rpm
Pressure Score
57%
Speed
1900.82 rpm
Operating
Pump Temperature
02/16/2023 3:10:29 PM CST
90.14°F
Motor Bearing Temperature
02/16/2023 3:10:29 PM CST
91.8°F
Discharge Pressure
02/16/2023 3:10:29 PM CST
25.27 psi
Suction Pressure
02/16/2023 3:10:29 PM CST
16.33 psi
Speed
1H
12H
1D
5D
30D
LIVE
1900.82 rpm
> 1400.00 rpm for 1 minutes
Speed
Vibration vs Speed
Current Draw
Vibration RMS Peak
North America
Midwest
Anderson Co.
Pump 2755

A Leading Indian Oil & Gas Refining Company

Created a tailored ERP system that integrates crucial business operations.

ERP | Automation | UX/UI | Data Analytics

Outcomes

Improved Sales

- Automation and data transparency improved business decision making, subsequently impacting sales growth.

Increased Collaboration

- Integrated business operations elevated collaboration between internal and external stakeholders.

Elevated Customer Experience

- Capturing user interactions in real time enabled the agility to address customers' demands/queries.

Solutioning

Challenges

- Spreadsheets were used to maintain critical business data; which over a period of time became difficult as the volume of transactions and data started growing exponentially.
- Manual processes hindered the operations and increased the rate of manual errors.
- High risk involved in data consistency, integration, analytics, and security.

Technical Spotlight

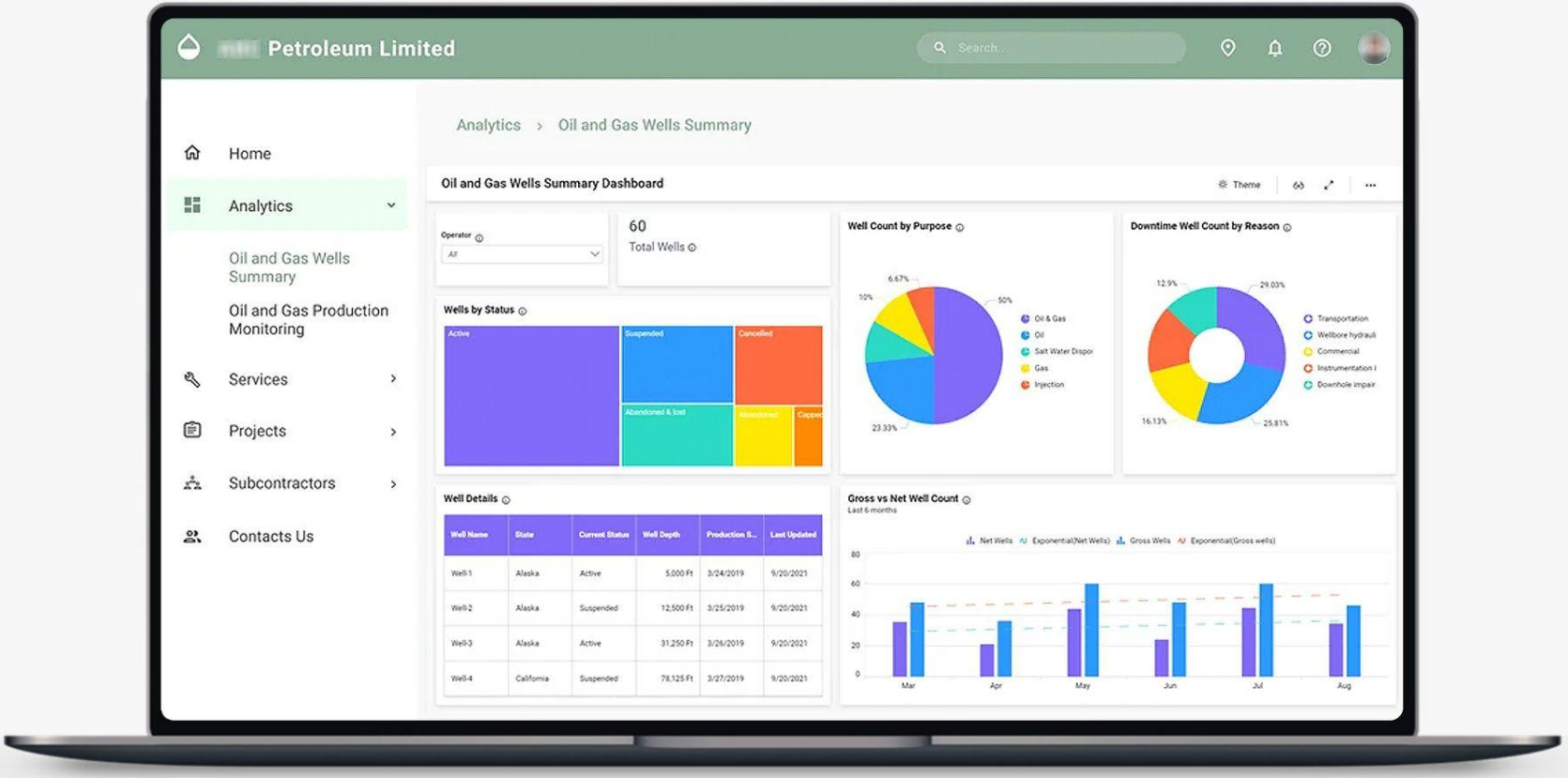
- Leveraged Odoo for its capability to own a complete suite of business-applications.
- Odoo's open source feature made it convenient to customize and configure the system.
- Python's simplicity made complex data appear simple and easier to analyze.

Solution Highlights

- ERP Modules - Sales, Purchase, Accounting, Inventory, Back office.
- Centralized data repo and secured access.
- Real-time data dashboards with insights into production efficiency and quality.
- Streamlined audits with greater financial visibility and control.

Tech Stack

python™ odoo OWL Web Framework QuickBooks. WMS


Petroleum Limited
Search..
Home
Analytics
Oil and Gas Wells Summary
Oil and Gas Production Monitoring
Services
Projects
Subcontractors
Contacts Us
Analytics › Oil and Gas Wells Summary
Oil and Gas Wells Summary Dashboard
Theme
Operator
All
60
Total Wells
Wells by Status
Active
Suspended
Cancelled
Abandoned & lost
Well Count by Purpose
6.67%
10%
50%
23.33%
Oil & Gas
Oil
Salt Water Dispos
Gas
Injection
Downtime Well Count by Reason
12.9%
29.03%
16.13%
25.81%
Transportation
Wellbore hydrauli
Commercial
Instrumentation i
Downhole impair
Well Details
Well Name
State
Current Status
Well Depth
Production S...
Last Updated
Well-1
Alaska
Active
5,000 Ft
3/24/2019
9/20/2021
Well-2
Alaska
Suspended
12,500 Ft
3/25/2019
9/20/2021
Well-3
Alaska
Active
31,250 Ft
3/26/2019
9/20/2021
Well-4
California
Suspended
78,125 Ft
3/27/2019
9/20/2021
Gross vs Net Well Count
Last 6 months
Net Wells
Exponential(Net Wells)
Gross Wells
Exponential(Gross wells)
80
60
40
20
0
Mar
Apr
May
Jun
Jul
Aug

A Leading Government Entity in Oil and Gas

Developed a custom CRM for enhanced visibility on business operations.

CRM Integration | UX/UI | Data Management | Cloud Enablement

Outcomes

Accurate Demand Forecasting

- Enables identifying market patterns, trends, and demand-forecasting and speeds up time-to-market

Improved Product Quality

- CRM captures data from multiple sources and helps analyze process errors in real-time that might be contributing to product defects.

Intelligent Supply Chain

- Detailed and useful insights about operations, inventory management, order processing, warehousing, and distribution chains, empowering manufacturers to manage production schedules.

Solutioning

Challenges

- Lack of visibility on sales and demand forecasting, which subsequently disabled competitive growth.
- Difficulty in managing customer information, leads and opportunities, deals, quotes, and order status.
- Building up a holistic happier experience for its customers, partners, and vendors.

Technical Spotlight

- Leveraged Microsoft Dynamics 365 in hybrid cloud environment to establishing connectivity between data, business logics, and processes.
- Limitless and flexible UI controls using WPF.
- Custom report generation using MS SQL server databases.

Solution Highlights

- The CRM integration in the clients digital ecosystem was introduced to achieve solutions that enabled -
  - 360-degree view of concise and consistent operations.
  - Greater visibility into the sales pipeline.
  - Intelligent production planning.
  - Supply chain visibility.
  - Enriched customer relationship.
  - Quality leads

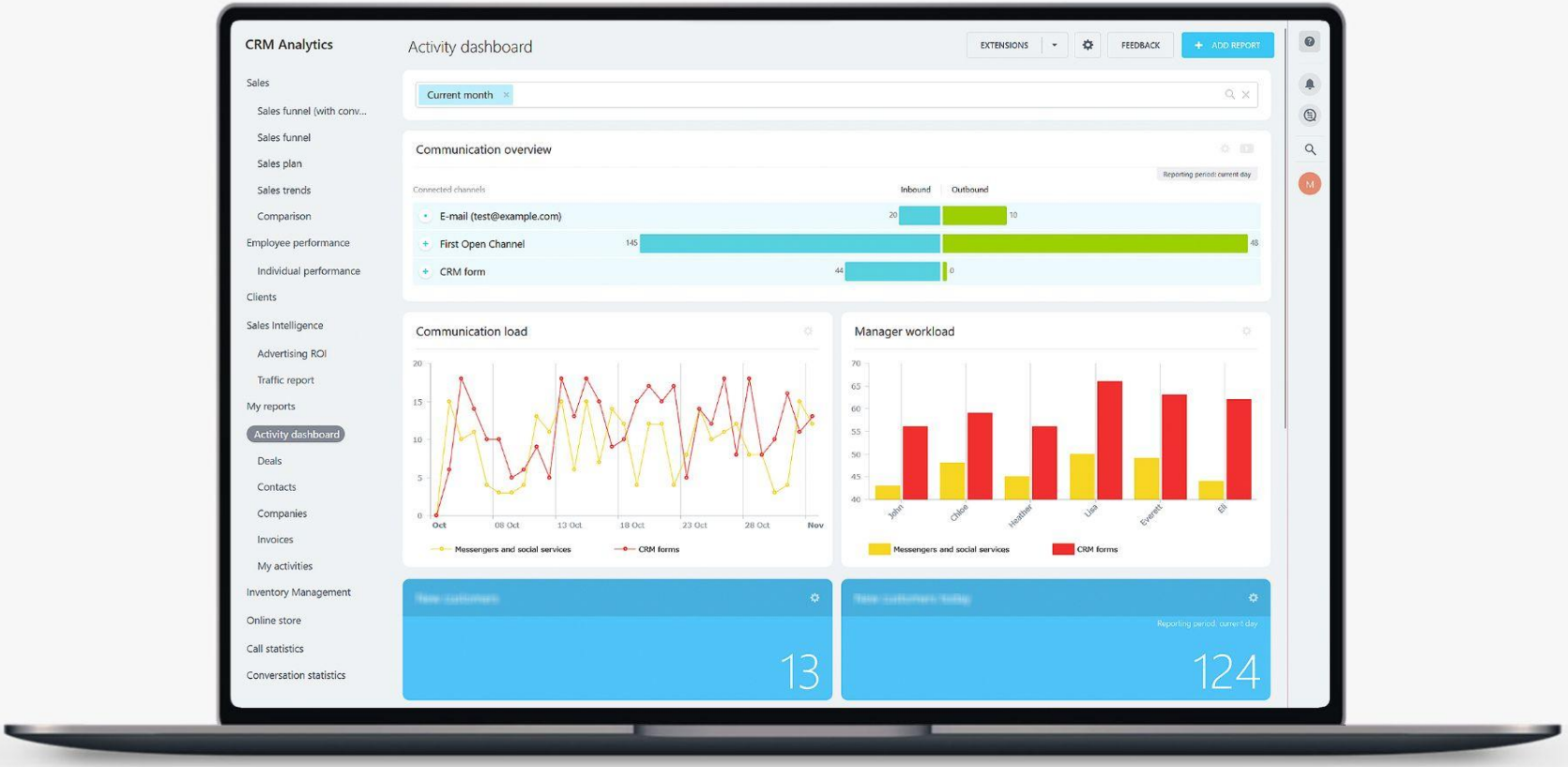
Tech Stack

Microsoft Dynamics CRM

.NET Core

wpf

Microsoft SQL Server


CRM Analytics
Activity dashboard
EXTENSIONS
FEEDBACK
ADD REPORT
Sales
Sales funnel (with conv...
Sales funnel
Sales plan
Sales trends
Comparison
Employee performance
Individual performance
Clients
Sales Intelligence
Advertising ROI
Traffic report
My reports
Activity dashboard
Deals
Contacts
Companies
Invoices
My activities
Inventory Management
Online store
Call statistics
Conversation statistics
Current month
Communication overview
Reporting period: current day
Connected channels
Inbound
Outbound
E-mail (test@example.com)
20
10
First Open Channel
145
48
CRM form
44
0
Communication load
20
15
10
5
0
Oct
08 Oct
13 Oct
18 Oct
23 Oct
28 Oct
Nov
Messengers and social services
CRM forms
Manager workload
70
65
60
55
50
45
40
John
Chloe
Heather
Lisa
Everett
Eli
Messengers and social services
CRM forms
13
Reporting period: current day
124

A Globally Renowned Petroleum Company in Bahrain

Built a multilingual (English & Arabic) CMS website.

Website Development | UX/UI | CMS | Responsiveness

Outcomes

Increased Traffic

- A unique and innovative experience boosted the amount of users visiting the website.

Improved User Experience

- Implementing a dynamic and intuitive interface elevated the user experience and increased user satisfaction.

Improved Interactions

- Access to CMS enabled client improve their TAT in sharing latest updates with their customers.

Solutioning

Challenges

- Absence of a dedicated back-end module enabling admin to add, update and delete posts.
- A difficult and dull interface led to users dissatisfaction.
- Lack of an option to change language as per user preference decreased user engagement.

Technical Spotlight

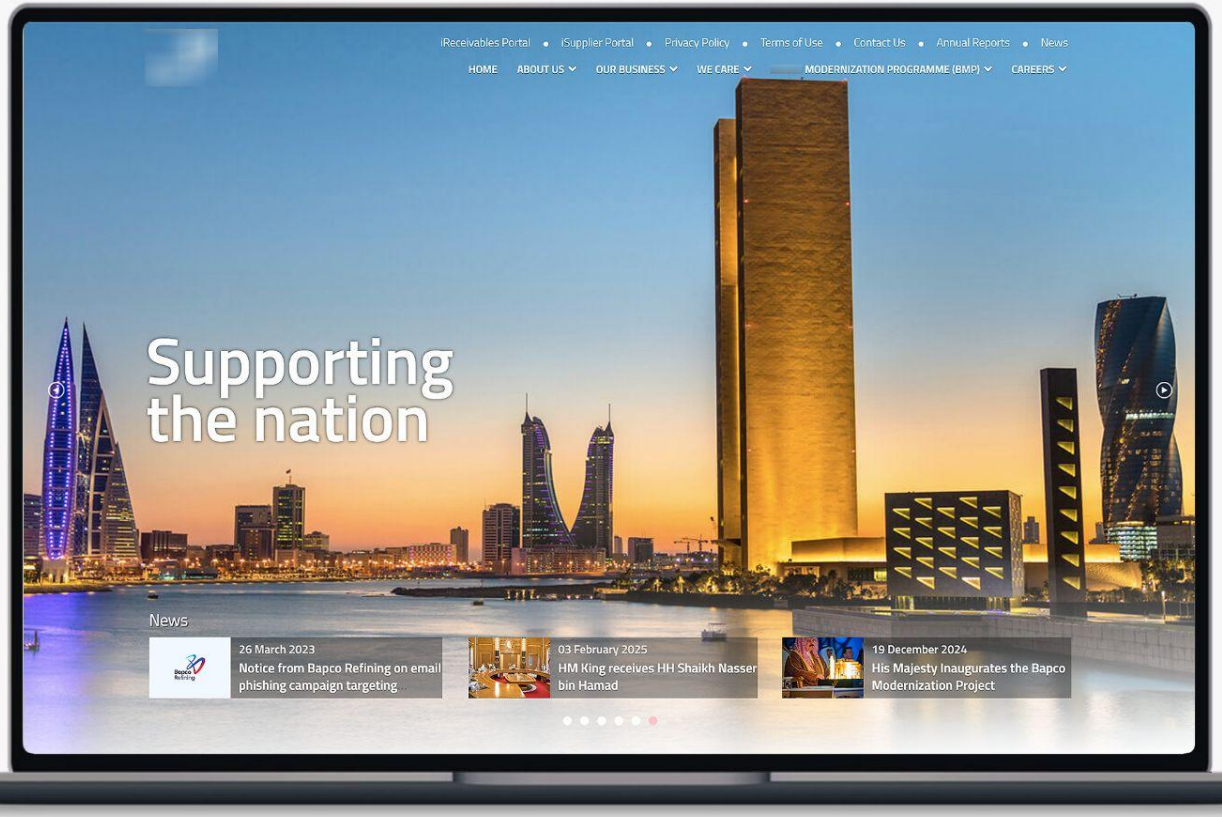
- Crafted dynamic, quick-loading and interactive modules using Microsoft Sharepoint 2013.
- Integrated the HTML5 video for the landing page of each menu item. Video.js is used to achieve this functionality.
- Used Oil Api to fetch WTI and CRUDE oil online price.
- Used yahoo weather api to get weather.

Solution Highlights

- All pages are adopted for 2 languages: English and Arabic.The website is divided into 6 main chapters. Each of the chapters have it's own colour palette. Colours of links, footer colour and some other details on these pages are different in colour.
- Website consists of multiple modules like-
  1. About
  2. Operation
  3. Procurement
  4. Responsibility
  5. Career
  6. Clubs and Facility

Tech Stack

SharePoint | C# | wpf | Microsoft SQL Server


iReceivables Portal • iSupplier Portal • Privacy Policy • Terms of Use • Contact Us • Annual Reports • News
HOME ABOUT US OUR BUSINESS WE CARE MODERNIZATION PROGRAMME (BMP) CAREERS
Supporting the nation
News
26 March 2023
Notice from Bapco Refining on email phishing campaign targeting...
03 February 2025
HM King receives HH Shaikh Nasser bin Hamad
19 December 2024
His Majesty Inaugurates the Bapco Modernization Project

Canada-based Retail Chain of Fuel and Petroleum Products

Engineered a next-gen data-engine and analytics solution for its multiple gas stations spread across cities.

Data Engine | Data Analytics | Big Data | Data Visualisation

Outcomes

Improved Data Insights

- Integrated data engine enabled client to capture data from the POS located across multiple cities and gain customer purchase history records.

Enhanced Operations

- Centralised data, inter-connected systems, inventories and transparency boosted operational activities.

Loyalty Boost

- Acquired 20% of the population as loyal customers after introducing fuel-loyalty reward program.

Solutioning

Challenges

- Stiff market competition in a high-demanding but saturated business model, led to need of launching innovative campaigns.
- Lack of centralized data and no clarity on sales, inventories, and purchase patterns led to ambiguity in devising the marketing campaigns.
- A dire need to get competitive by making inferences based on integrated data, insights, and real-time market analysis.

Technical Spotlight

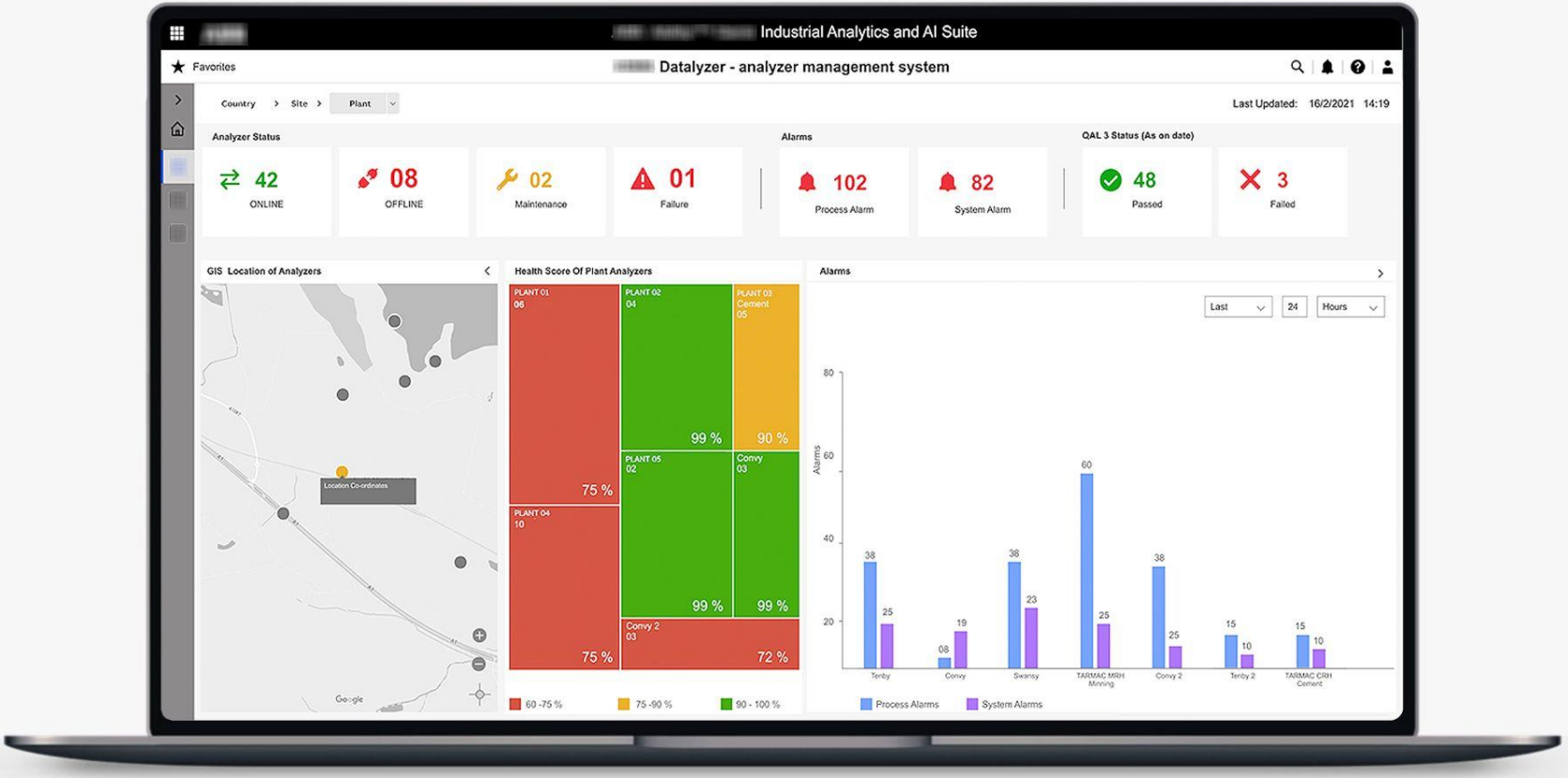
- Leveraged S3 for data ingestion while loading it from multiple sources (RDBMS/ API/ FTP).
- Used Tableau to interpret data present in Redshift/Athena and represent them in visual format.
- The platform was built using Python for its convenience in harnessing data for statistics and scientific functions.

Solution Highlights

- Capture, analyse, and control data of fuel and non-fuel related sales, and analyse budgets at any given point of time.
- Dashboard that provides real-time insights on bottom-line sales, geography that yields highest sales, loyal/repeat customers, and rewards through fuel station loyalty program.
- Report generation and visualisation using Tableau.

Tech Stack

python™ | athena software | tableau SOFTWARE | AWS CodeBuild | AWS CodePipeline | APACHE Spark™ | Amazon Glue | Amazon SQS


Industrial Analytics and AI Suite
Favorites
Datalyzer - analyzer management system
Country
Site
Plant
Last Updated: 16/2/2021 14:19
Analyzer Status
42
ONLINE
08
OFFLINE
02
Maintenance
01
Failure
Alarms
102
Process Alarm
82
System Alarm
QAL 3 Status (As on date)
48
Passed
3
Failed
GIS Location of Analyzers
Location Co-ordinates
Google
Health Score Of Plant Analyzers
PLANT 01
06
75 %
PLANT 02
04
99 %
PLANT 03
Cement
05
90 %
PLANT 04
10
75 %
PLANT 05
02
99 %
Convy
03
99 %
Convy 2
03
72 %
60 -75 %
75 -90 %
90 - 100 %
Alarms
Last
24
Hours
Alarms
80
60
40
20
38
25
08
19
38
23
60
25
38
25
15
10
15
10
Tenby
Convy
Swansy
TARMAC MRH
Minning
Convy 2
Tenby 2
TARMAC CRH
Cement
Process Alarms
System Alarms

One of the Largest State-owned Oil and Gas Companies in India

Created a refinery optimization portal to maximize profits in cracking units.

Data Integration | Real-time Optimization | Scalability | Data Visualization

Outcomes

Optimized Temperature Control

- Automated hourly temperature recommendations for refinery units improved efficiency and maximized profits by leveraging data-driven insights.

Improved Data Accessibility

- Real-time data retrieval and display through SQL Server and Python streamlined access to critical information for panel officers.

Enhanced User Interface

- Interactive dashboard and data visualization provided a clear, responsive experience for users to monitor and analyze refinery metrics.

Solutioning

Challenges

- Effectively integrating and synchronizing data from various sources to ensure real-time accuracy.
- Ensuring that the platform can efficiently scale to handle increasing volumes of data and user requests.
- Creating an intuitive and user-friendly interface that can effectively display complex data sets while remaining responsive.

Technical Spotlight

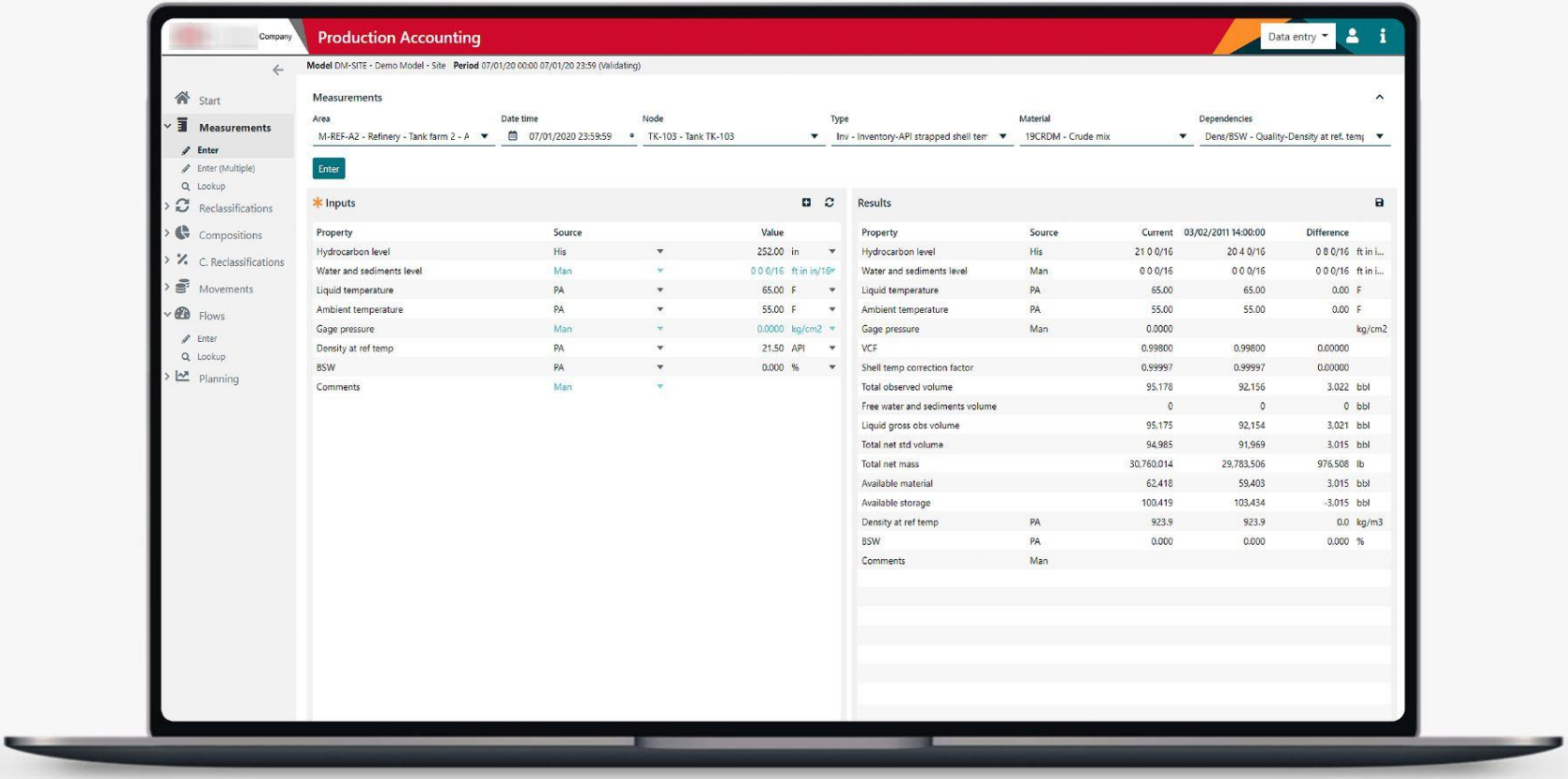
- Used Python for seamless connectivity between the application and MSSQL Server to automate data fetching.
- Utilized Node.js for its non-blocking architecture to handle concurrent data requests and processing.
- Leveraged React.js and Redux for a modular and maintainable UI architecture that supports dynamic data visualization and state management.

Solution Highlights

- Provided accurate and up-to-date information for the optimization algorithms.
- Enhanced the ability to manage large data volumes effectively.
- Ensured a more intuitive and responsive user experience, making it easier for users to interact with complex data sets.

Tech Stack

node CSS HTML JS Redux Windows Server React python Flask


Company
Production Accounting
Data entry
Model DM-SITE - Demo Model - Site Period 07/01/20 00:00 07/01/20 23:59 (Validating)
Start
Measurements
Enter
Enter (Multiple)
Lookup
Reclassifications
Compositions
C. Reclassifications
Movements
Flows
Enter
Lookup
Planning
Measurements
Area
M-REF-A2 - Refinery - Tank farm 2 - A
Date time
07/01/2020 23:59:59
Node
TK-103 - Tank TK-103
Type
Inv - Inventory-API strapped shell tem
Material
19CRDM - Crude mix
Dependencies
Dens/BSW - Quality-Density at ref. temj
Enter
Inputs
Property Source Value
Hydrocarbon level His 252.00 in
Water and sediments level Man 0 0 0/16 ft in in/16
Liquid temperature PA 65.00 F
Ambient temperature PA 55.00 F
Gage pressure Man 0.0000 kg/cm2
Density at ref temp PA 21.50 API
BSW PA 0.000 %
Comments Man
Results
Property Source Current 03/02/2011 14:00:00 Difference
Hydrocarbon level His 21 0 0/16 20 4 0/16 0 8 0/16 ft in i...
Water and sediments level Man 0 0 0/16 0 0 0/16 0 0 0/16 ft in i...
Liquid temperature PA 65.00 65.00 0.00 F
Ambient temperature PA 55.00 55.00 0.00 F
Gage pressure Man 0.0000 kg/cm2
VCF 0.99800 0.99800 0.00000
Shell temp correction factor 0.99997 0.99997 0.00000
Total observed volume 95,178 92,156 3,022 bbl
Free water and sediments volume 0 0 0 bbl
Liquid gross obs volume 95,175 92,154 3,021 bbl
Total net std volume 94,985 91,969 3,015 bbl
Total net mass 30,760,014 29,783,506 976,508 lb
Available material 62,418 59,403 3,015 bbl
Available storage 100,419 103,434 -3,015 bbl
Density at ref temp PA 923.9 923.9 0.0 kg/m3
BSW PA 0.000 0.000 0.000 %
Comments Man

A Company Providing Drilling, Production Services to Oil and Gas Industry

Built a platform to streamline oilfield run ticketing for crude oil and water haulers.

Cross Platform Compatibility | UI/UX | Real-Time Reporting | Data Accuracy

Outcomes

Improved Operational Efficiency

- Automation of ticket creation and submission reduced manual processes, leading to faster operations and decreased turnaround times.

Increased Data Accuracy

- Auto-populating data fields minimized input errors, resulting in higher accuracy in reporting and reduced accounting discrepancies.

Enhanced Real-Time Reporting

- Supervisors received immediate updates on oilfield assets, allowing for more informed decision-making and timely interventions.

Solutioning

Challenges

- Ensuring consistent functionality and appearance across iOS, Android, and Windows platforms.
- Accessing device-specific features (like GPS and camera) when using cross-platform tools.
- Implementing and maintaining complex business rules for ticket management without leading to code bloat and maintenance challenges.

Technical Spotlight

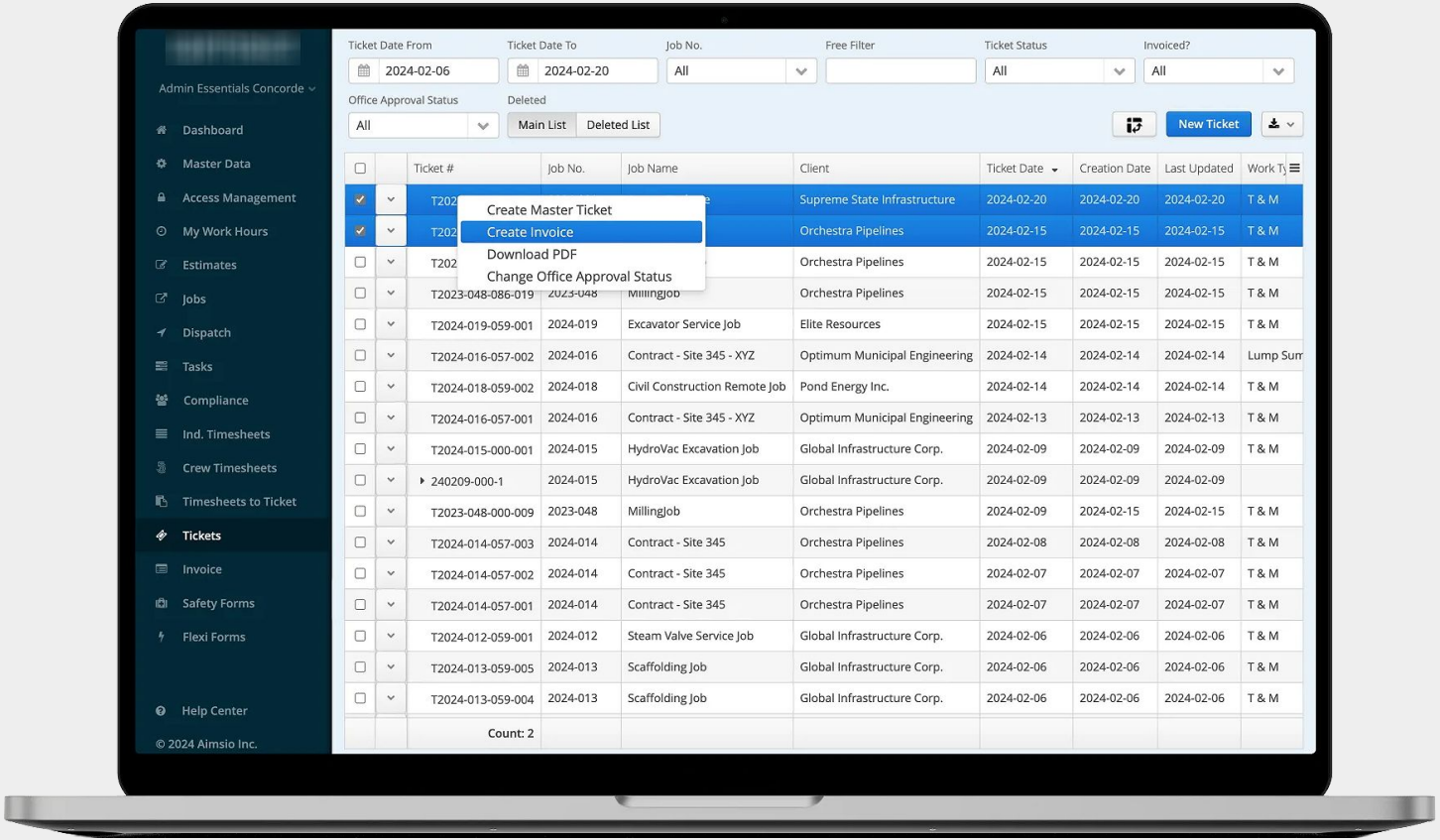
- Leveraged Xamarin's shared codebase capabilities to create a consistent experience across all platforms.
- Implemented Xamarin Essentials to access native device features ensuring seamless integration.
- Applied a modular design pattern in C# and XAML to separate business logic from UI components, making maintenance easier and code cleaner.

Solution Highlights

- Achieved a unified look and feel across devices, enhancing user satisfaction and minimizes learning curves.
- Enabled easy integration of native features, enhancing user experience.
- Simplified the codebase, making it easier to manage and update business logic without affecting the UI.

Tech Stack

Xamarin | C# | macOS | Visual Studio | Java | Android SDK


Admin Essentials Concorde
Dashboard
Master Data
Access Management
My Work Hours
Estimates
Jobs
Dispatch
Tasks
Compliance
Ind. Timesheets
Crew Timesheets
Timesheets to Ticket
Tickets
Invoice
Safety Forms
Flexi Forms
Help Center
© 2024 Aimsio Inc.
Ticket Date From
2024-02-06
Ticket Date To
2024-02-20
Job No.
All
Free Filter
Ticket Status
All
Invoiced?
All
Office Approval Status
All
Deleted
Main List
Deleted List
New Ticket
Ticket #
Job No.
Job Name
Client
Ticket Date
Creation Date
Last Updated
Work Ty
Create Master Ticket
Create Invoice
Download PDF
Change Office Approval Status
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2024-019
Excavator Service Job
Elite Resources
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2024-016
Contract - Site 345 - XYZ
Optimum Municipal Engineering
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2024-018
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Optimum Municipal Engineering
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Global Infrastructure Corp.
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HydroVac Excavation Job
Global Infrastructure Corp.
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2023-048
MillingJob
Orchestra Pipelines
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2024-014
Contract - Site 345
Orchestra Pipelines
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2024-014
Contract - Site 345
Orchestra Pipelines
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2024-014
Contract - Site 345
Orchestra Pipelines
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2024-012
Steam Valve Service Job
Global Infrastructure Corp.
T2024-013-059-005
2024-013
Scaffolding Job
Global Infrastructure Corp.
T2024-013-059-004
2024-013
Scaffolding Job
Global Infrastructure Corp.
Count: 2

An Indian Company that Refines and Markets Petroleum Products

Built a portal to monitor and evaluate oil samples, ensuring compliance with system specs.

Performance Optimization | UI/UX | Database Management | Reliability

Outcomes

Better Performance

- Significantly enhanced application performance, resulting in faster response times.

Enhanced Security

- Improved the application's security posture, safeguarding user data against vulnerabilities.

Streamlined Data Management

- Optimized data retrieval and manipulation, leading to improved data consistency and integrity.

Solutioning

Challenges

- Scaling the application to handle higher loads effectively without degrading performance.
- Ensuring data consistency and integrity in a multi-user environment with concurrent data access.
- Meeting the requirements for real-time data processing in the application, which relies on timely information updates.

Technical Spotlight

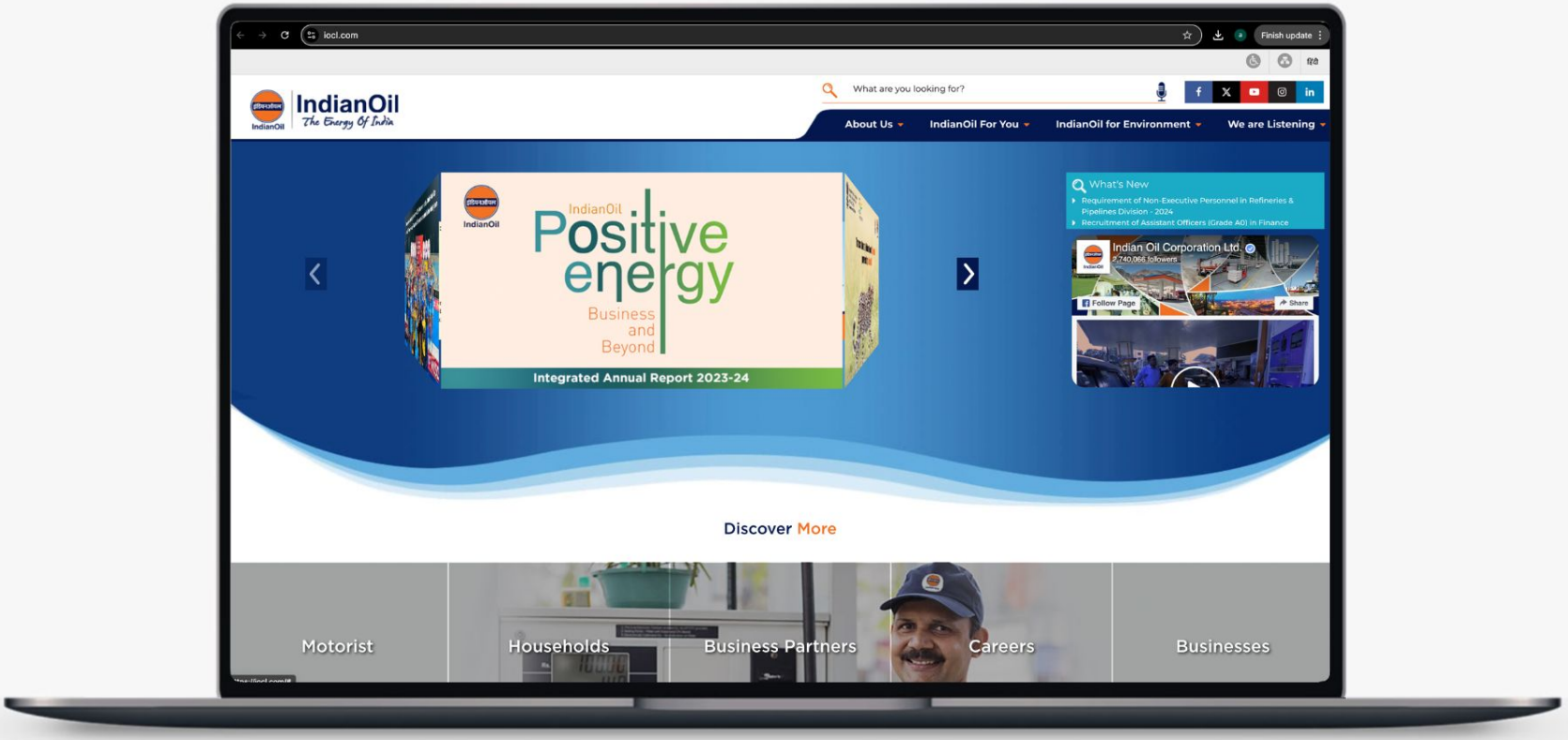
- Implemented Java MVC architecture to create a scalable application design.
- Utilized Oracle 11g for robust database management with transaction controls and integrity checks.
- Leveraged Redis for in-memory data caching and real-time data processing.

Solution Highlights

- Allowed for the seamless addition of new features and better handling of increased user loads.
- Ensured high data reliability and reduced the risk of data corruption.
- Enhanced the platform's capability for real-time data updates and interactions, leading to a more dynamic and responsive application.

Tech Stack

Core Java | Jsp+Servlet | redis | MySQL | Windows Server | ORACLE 11g DATABASE | .NET MVC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A Company Offering Maintenance Services to the O&G Sector Across the GCC

Developed a system to streamline employee data, project tracking, and loan management.

Operational Efficiency | Cross-Platform Compatibility | Data Integrity | Automation

Outcomes

Streamlined Employee Management

- Centralized tracking of employee data, room allocations, and loans improved data accessibility and streamlined internal processes.

Improved Project Tracking

- Real-time project estimation and customer data management enabled efficient project oversight and timely updates.

Increased Efficiency

- Automated data handling reduced manual tasks, enhancing workflow speed and reliability.

Solutioning

Challenges

- Ensuring that data remains consistent and synchronized across various systems and modules.
- Processing large volumes of data in real-time while maintaining responsiveness across the platform.
- Designing a user interface that is interactive and responsive, providing a seamless experience across devices.

Technical Spotlight

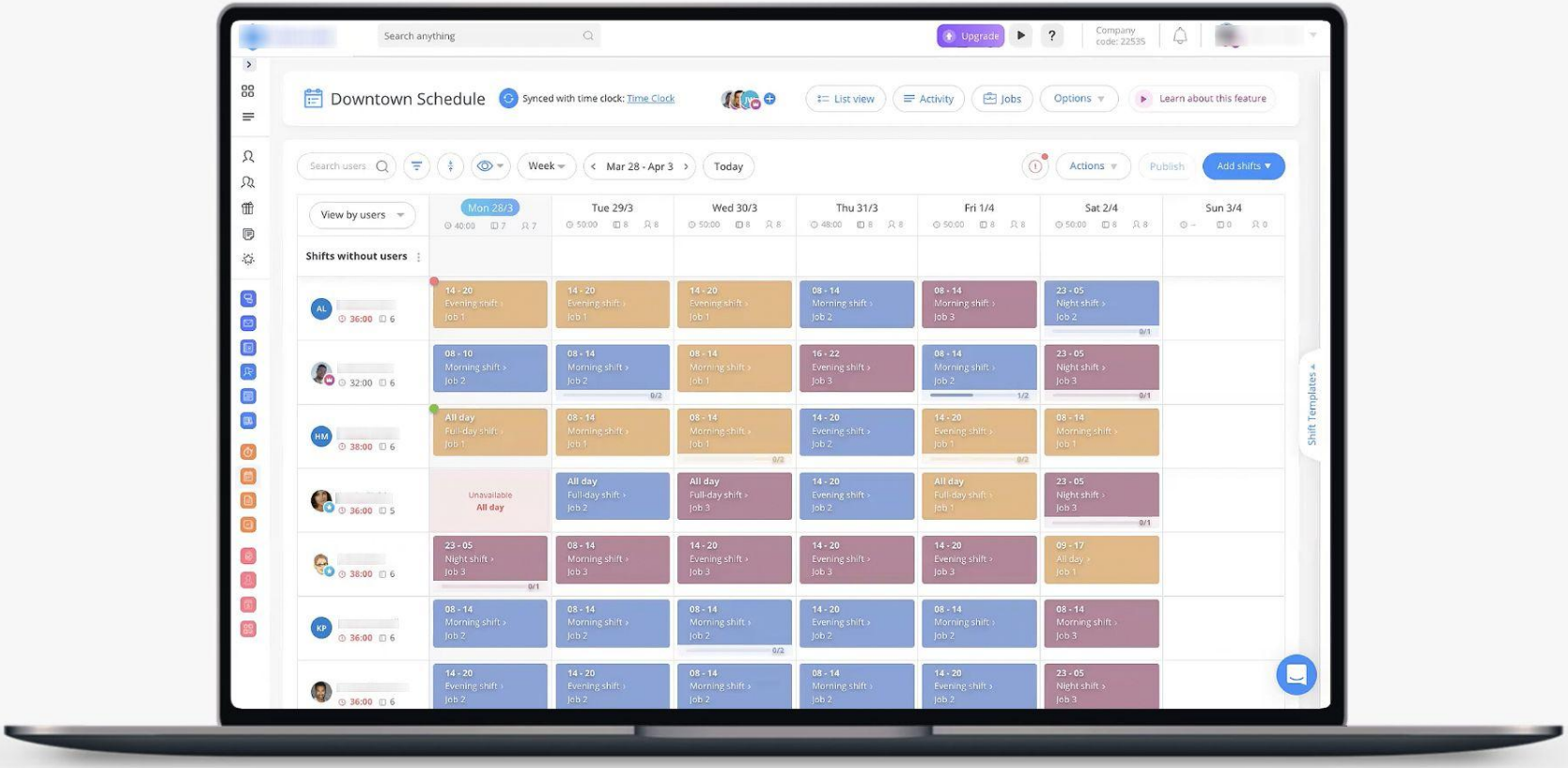
- Used PostgreSQL for a centralized database and Django Rest Framework to manage data interactions via APIs.
- Implemented AWS Lambda for real-time processing and Django ORM for efficient database interaction.
- Utilized HTML, CSS, and DataTables to build an interactive, responsive user interface.

Solution Highlights

- Reduced the risk of data discrepancies and promoted reliable data exchange across systems.
- Allowed the system to deliver real-time updates with minimal delay.
- Enhanced interactivity with features like sorting and filtering, and ensured that the platform is responsive, offering a seamless user experience across multiple devices.

Tech Stack

python™ git CSS HTML MySQL Windows Server PostgreSQL DataTables django django REST framework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Actions
Publish
Add shifts
View by users
Mon 28/3
Tue 29/3
Wed 30/3
Thu 31/3
Fri 1/4
Sat 2/4
Sun 3/4
Shifts without users
Shift Templates

A Global Trade Association Representing the Oil and Gas Drilling Industry

Built a learning platform offering industry courses, certifications, and user management features.

Frontend Development | User Authentication | UI/UX | Payment Integration

Outcomes

Improved Learning Experience

- Implemented a user-friendly dashboard and course management system, enabling a seamless navigation and personalized learning journey.

Streamlined Payment Process

- Integrated Stripe payment system for secure and efficient course purchases using debit cards, simplifying financial transactions.

Scalable Architecture

- Built the platform using a scalable tech stack to ensure future growth and feature expansion.

Solutioning

Challenges

- Creating a user interface that scales well across devices while maintaining a dynamic and responsive layout.
- Integrating a payment system that can handle transactions while ensuring user data protection.
- Efficiently managing a dynamic catalog of courses and tracking individual user progress while keeping the system organized and responsive.

Technical Spotlight

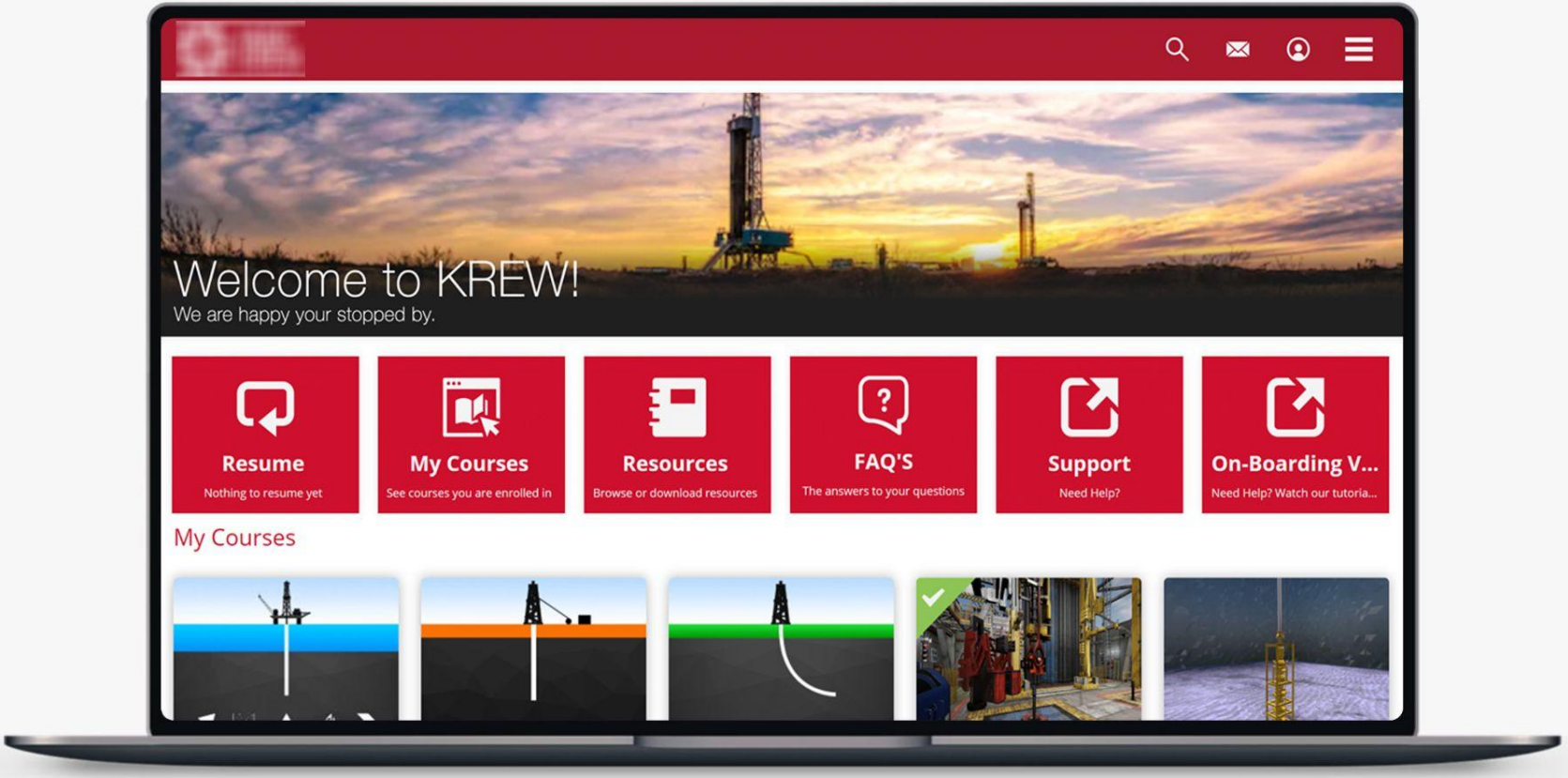
- Used React.js and Flex to build a dynamic, flexible, and responsive UI that adjusts to different devices.
- Integrated Stripe, with built-in fraud protection, for handling online payments
- Utilized JavaScript and TypeScript for efficient management of dynamic content such as course catalog, filters, and user progress.

Solution Highlights

- Made the platform accessible and responsive on both desktop and mobile devices.
- Ensured secure and seamless transactions for users.
- Boosted the maintainability of the codebase, providing an efficient and organized system to track courses and progress.

Tech Stack

TS JS stripe React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An Energy Company Involved in Refining and Distributing Petroleum Products

Built the corporate website, including backend, database, and frontend integration.

Database Management | Web Development | Performance Optimization | UI/UX

Outcomes

Optimized Website Performance

- Integrated backend management and frontend technologies to improve website loading speeds and overall user experience.

Improved Data Handling

- Created and optimized a database schema, ensuring efficient data storage and retrieval for the website.

Cross-Platform Compatibility

- Ensured the website's compatibility across various UNIX/Linux platforms, expanding accessibility and reach.

Solutioning

Challenges

- Optimizing website speed and performance when handling large volumes of content and traffic.
- Ensuring efficient management and integrity of large datasets, maintaining accurate and consistent information.
- Creating a platform that works seamlessly across different devices, browsers, and operating systems.

Technical Spotlight

- Optimized front-end assets (images, CSS, JavaScript) and used AJAX for asynchronous data loading.
- Structured a robust MySQL schema and utilized Laravel's ORM for data handling.
- Developed a responsive layout using CSS3 and HTML5 for cross-device compatibility.

Solution Highlights

- Enabled faster page loads with reduced server strain and improved user experience.
- Ensured reliable data handling, improving data integrity and efficiency.
- Enabled a responsive design that adapts seamlessly to various devices, offering an optimal user experience.

Tech Stack

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