

# NeoSOFT®

Capabilities

## Logistics & Supply Chain



5 km From Destination  
Penn Street Long Branch, NJ 07740

50 Km/h  
89650 Kms

Today KM  
210 Km

Total Duration  
06:23 hr

# About Us

## 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



**Microsoft**

 Google Cloud

 Magento®



**25+**  
YEARS OF  
EXCELLENCE



**CMMI DEV/5**

# Certified To Deliver Quality



ISO

9001:2015  
Quality Management

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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.



# How we help?

NeoSOFT has been a trusted Digital Partner for global brands & new age disruptors in the Supply Chain & Logistics industry. Businesses partner with us to build & leverage digital capabilities to optimize costs, operate better, provide phenomenal CX, make data driven decisions & build new revenue channels.

## Digitization

- Mobile Applications
- Custom Software
- Personalization

## Data science

- Fleet Analysis
- Efficiency Analysis
- Customer feedback
- Transportation

## RPA

- Chatbots
- Billing and Settlements
- Warehouse Automation
- Price Comparison
- CRM

## IoT

- Geo-Fencing
- Fleet Tracking
- Mobile Engagement
- Location-based Suggestions

## AR/VR

- Immersive 360 Virtual Tours (Warehouse)
- 3D Modelling
- Real World Superimposition

## Analytics

- Real-time Information
- Price Trends
- Relevant Products, Services or Deals

## Blockchain

- Secure, Traceable Payments
- Tracking Luggage
- Identification Services
- Fraud Detection

# 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

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

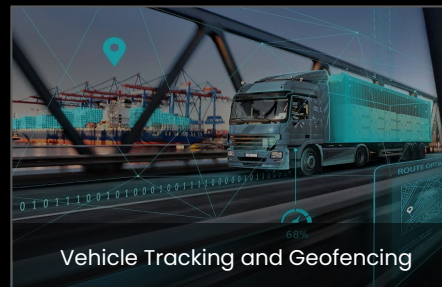
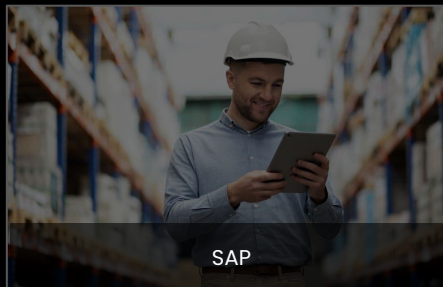
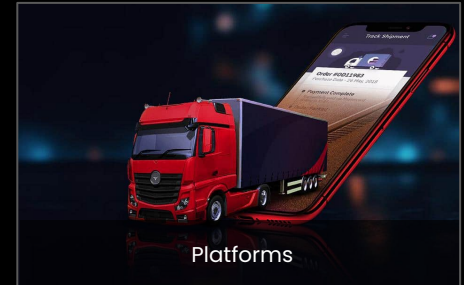
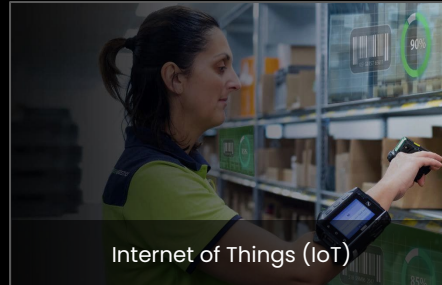
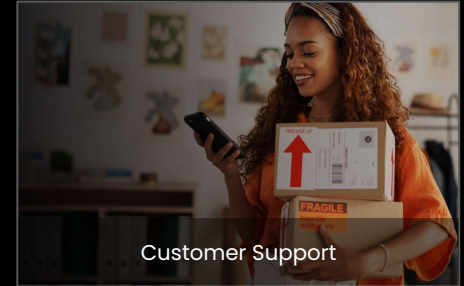
Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing





# AI and Analytics



# Case Studies

## AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Logistics Solutions Company in the Nordic Region

Developed an AI-driven application for optimizing truck volume and route management.

UI Responsiveness

Data Analytics

AI

Performance Optimization

**9x**  
Enhanced  
Visualization

**75%**  
Streamlined  
Management

**100%**  
Data Security

# Solutioning

## Challenges

- Developing AI-driven algorithms for optimizing truck routes.
- Handling and processing real-time data for live tracking and route optimization efficiently to prevent system strain.
- Ensuring a responsive UI across different devices and screen sizes while maintaining performance.

## Technical Spotlight

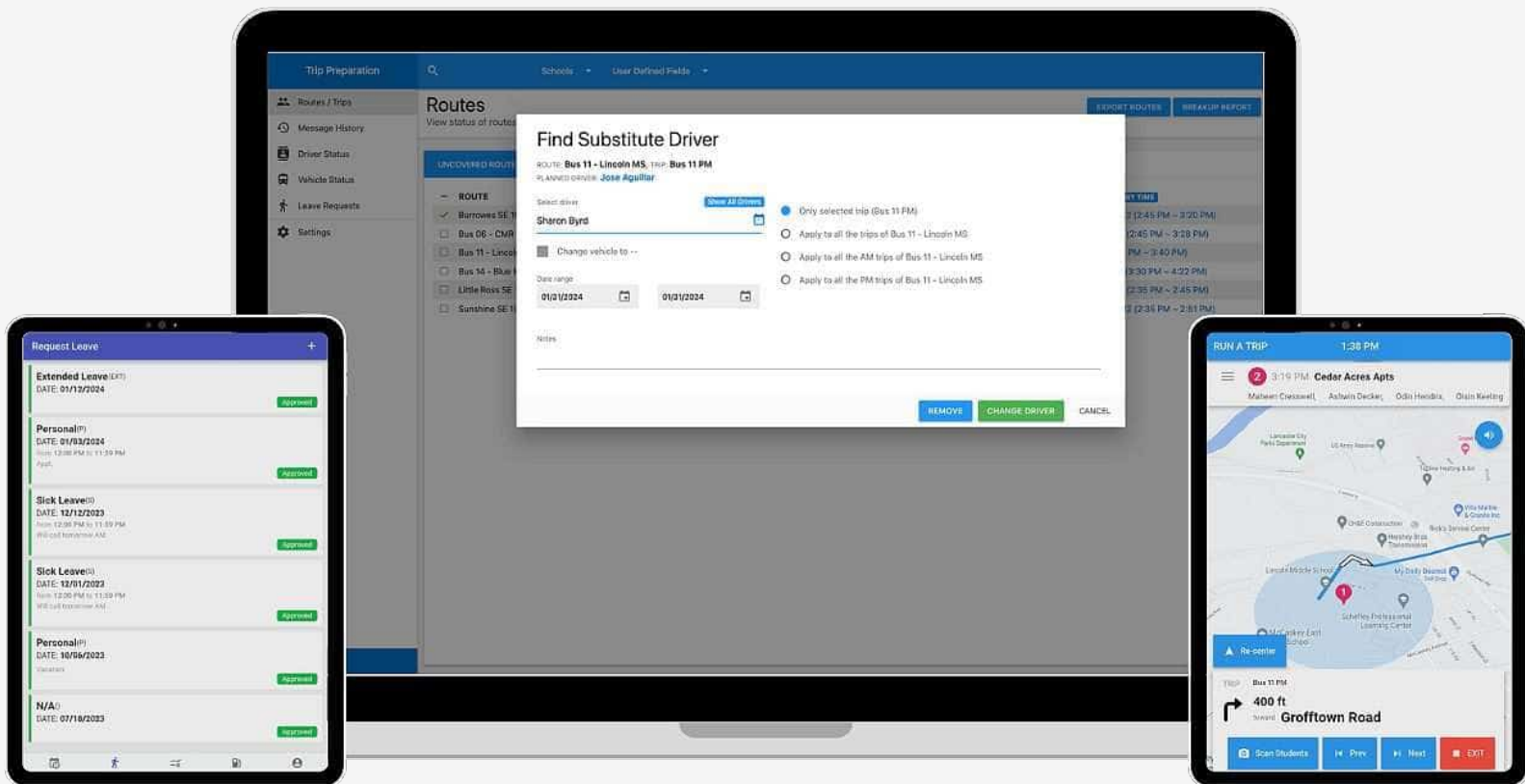
- Utilize Java for backend development and HTML with Angular 7 for frontend to break down complex optimization algorithms into modular components.
- Utilized Java's multithreading capabilities to handle real-time data processing efficiently without impacting system responsiveness.
- Used Angular 7's component-based architecture to create reusable UI components.

## Solution Highlights

- Allowed for easier debugging, collaboration, maintenance, and enhancement, resulting in faster development cycles.
- Ensured efficient real-time data processing, leading to faster response times and smoother user experiences.
- Ensured consistent user experiences across different devices, improving usability and user satisfaction.

## Tech Stack







# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Firm Improving Manufacturing Efficiency through Customized Support

Developed a comprehensive manufacturing execution system (MES) with AI/ML.

Scalability

AI/ML

Content Management

**53%**

**Improved  
Efficiency**

**3x**

**Better Inventory  
Management**

**70%**

**More Production Output**

# Solutioning

## Challenges

- Ensuring the platform is visually appealing and functional across various devices and screen sizes.
- Working within the constraints of WordPress limited customization options.
- Integrating different modules and functionalities seamlessly within the WordPress environment while maintaining performance.

## Technical Spotlight

- Leveraged Bootstrap's responsive grid system and components for a responsive design.
- Utilized custom CSS and HTML to override default styles and achieve the desired level of customization.
- Utilized WordPress plugins that offer seamless integration with desired functionalities.

## Solution Highlights

- Delivered a consistent and user-friendly experience across devices, enhancing user satisfaction.
- Provided a unique and branded experience for users.
- Ensured seamless integration of desired functionalities while maintaining platform stability.

## Tech Stack





# Case Studies

## AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Leading Global Enterprise in Diverse Sectors

Developed a versatile smart chatbot to streamline HR-related inquiries for employees.

Smart Chatbot

Version Control

Data Visualization

**5X**

**Streamlined  
Operations**

**60%**

**Enhanced Data  
Management**

**55%**

**Increased  
Productivity**



# Solutioning

## Challenges

- Developing accurate natural language understanding capabilities to effectively interpret user queries.
- Ensuring scalability of the platform to handle increased traffic and data processing.
- Integrating multiple platforms while ensuring seamless communication and compatibility.

## Technical Spotlight

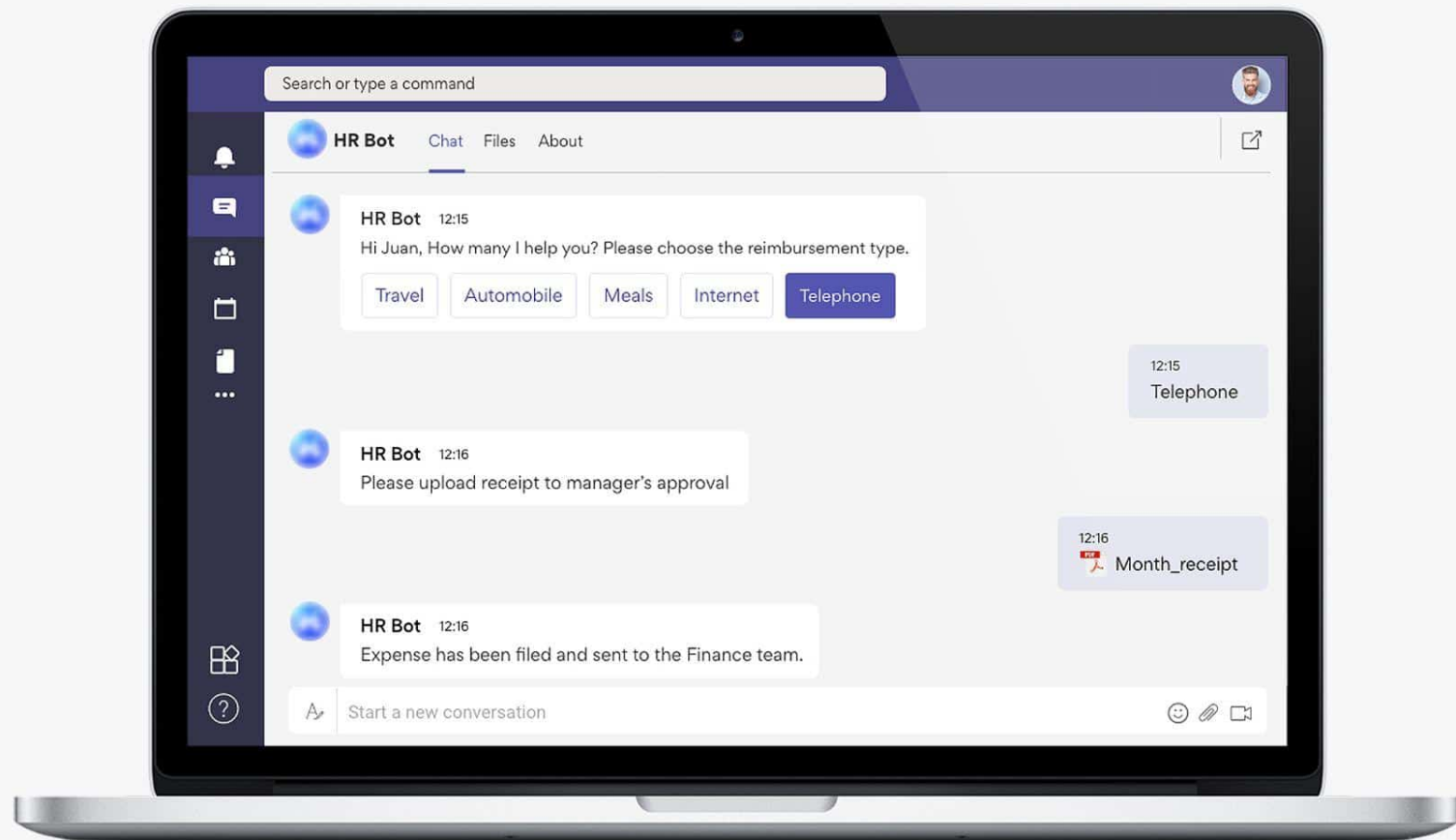
- Leveraged the RASA framework for advanced NLP capabilities, enabling accurate interpretation of user queries.
- Utilized Django and ORACLE 9i for efficient data handling and scaling capabilities.
- Used Angular and RxJs for efficient integration with platforms.

## Solution Highlights

- Ensured more accurate interpretation of user queries and contextually relevant responses.
- Guaranteed smooth operation as the user base expands.
- Enabled seamless communication with platforms, enhancing accessibility and user engagement.

## Tech Stack





# CRM/ERP/Internal Systems



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Technology-driven Company Facilitating the Transportation of Goods

Designed a comprehensive software solution to streamline business processes and optimize resource utilization.

Data Analytics

Internationalization

Real-time Updates

API Integration

**65%**

**Improved  
Efficiency**

**3x**

**Streamlined  
Management**

**100%**

**Security**

# Solutioning

## Challenges

- Ensuring the platform can handle increased user loads and data volumes as the business grows.
- Managing and processing large amounts of data efficiently for real-time reporting and analytics.
- Ensuring the platform works seamlessly across different devices and browsers.

## Technical Spotlight

- Utilize Laravel's modular architecture and database optimization techniques to ensure the platform can scale.
- Leverage MySQL's performance optimization techniques and Laravel's Eloquent ORM for data retrieval.
- Employed responsive design principles with CSS3 and HTML5 to adapt seamlessly to various screen sizes and resolutions.

## Solution Highlights

- Ensured the platform can handle increased user loads and data volumes efficiently.
- Enabled efficient and real-time processing of large amounts of data.
- Ensured the platform works seamlessly across different devices and browsers, enhancing accessibility.

## Tech Stack



Date range Resource type Resource Booking status  
Last 3 Months All All All

10/28/2022 - 1/27/2023

Avg. work time per day (hrs)

35.3

Avg. travel time per day (hrs)

7.1

Total miles traveled

15.2K

Avg. miles traveled per day

253.3

Utilization rate



Late arrival rate



Booking cancellation rate



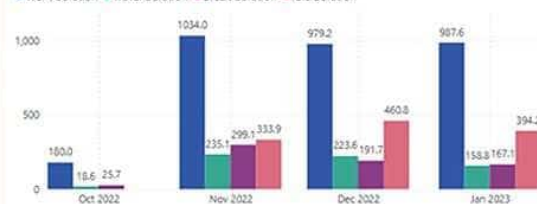
Resource utilization breakdown

Work hour Travel hour Break hour Idle hour



Duration breakdown (hrs)

Work duration Travel duration Break duration Idle duration



Territory analysis

Bookings by territory

Variance to estimated travel time (hrs)

Requirement duration vs. allocated duration (% hrs)

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Tech-enabled Logistics Provider Offering Services in SAARC Countries

Built a dynamic web portal facilitating user logins, consignment tracking, and report generation.

Data Visualization

Database Management

Version Control

Query Optimization

**76%**  
Better Data  
Visualization

**4x**  
Seamless  
Integration

**50%**  
Optimized  
Performance



# Solutioning

## Challenges

- Integrating various technologies and third-party APIs into the platform seamlessly.
- Identifying and addressing potential bottlenecks to ensure optimal responsiveness and efficiency.
- Creating an intuitive and visually appealing interface that enhances user experience.

## Technical Spotlight

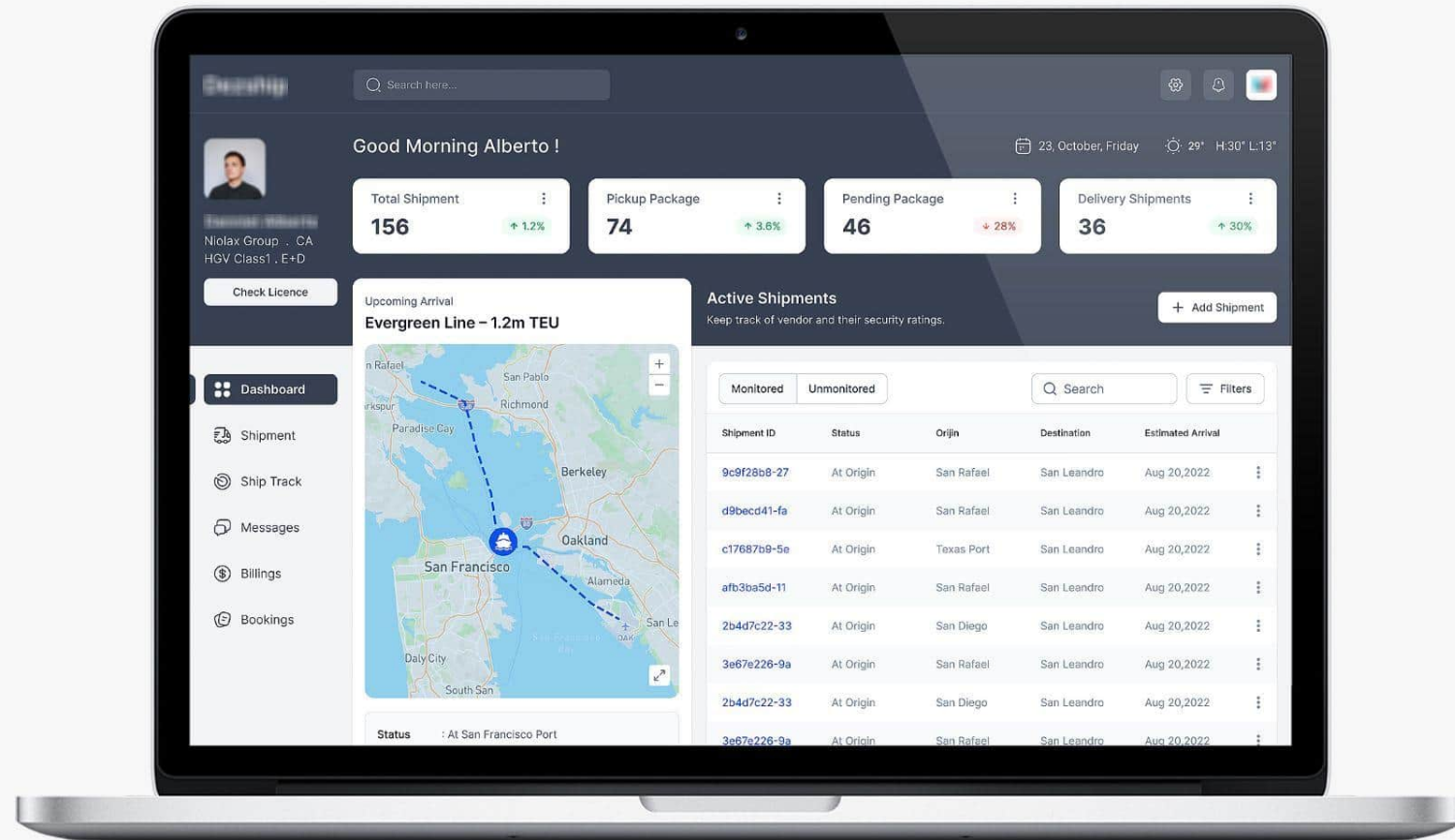
- Leveraged ASP.NET's built-in features for seamless integration and AJAX for asynchronous data retrieval.
- Optimized SQL queries and database indexing to improve system responsiveness and reduce load times.
- Utilized modern HTML5 and CSS techniques for intuitive and visually appealing UI, and client-side scripting with jQuery for interactive elements.

## Solution Highlights

- Enhanced system functionality and user experience, fostering a cohesive and connected ecosystem.
- Improved user productivity and satisfaction.
- Increased user engagement and satisfaction, leading to a more enjoyable and productive user experience.

## Tech Stack





Dashboard

Search here...



Alberto Wilfredo

Niolax Group . CA  
HGV Class1 . E+D

Check Licence

Good Morning Alberto !

23, October, Friday 29° H:30° L:13°

Total Shipment

156

+ 1.2%

Pickup Package

74

+ 3.6%

Pending Package

46

- 28%

Delivery Shipments

36

+ 30%

Dashboard

Shipment

Ship Track

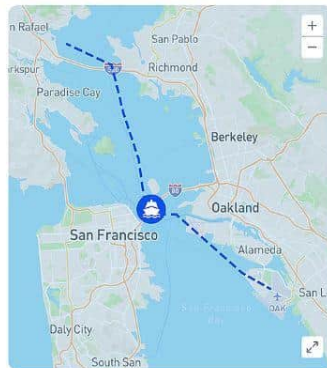
Messages

Billings

Bookings

Upcoming Arrival

Evergreen Line - 1.2m TEU



Status : At San Francisco Port

Active Shipments

Keep track of vendor and their security ratings.

+ Add Shipment

Monitored

Unmonitored

Search

Filters

Shipment ID	Status	Origin	Destination	Estimated Arrival	
9c9f28b8-27	At Origin	San Rafael	San Leandro	Aug 20,2022	...
d9becd41-fa	At Origin	San Rafael	San Leandro	Aug 20,2022	...
c17687b9-5e	At Origin	Texas Port	San Leandro	Aug 20,2022	...
afb3ba5d-11	At Origin	San Rafael	San Leandro	Aug 20,2022	...
2b4d7c22-33	At Origin	San Diego	San Leandro	Aug 20,2022	...
3e67e226-9a	At Origin	San Rafael	San Leandro	Aug 20,2022	...
2b4d7c22-33	At Origin	San Diego	San Leandro	Aug 20,2022	...
3e67e226-9a	At Origin	San Rafael	San Leandro	Aug 20,2022	...

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Multinational Package Delivery and Supply Chain Management Company

Developed an NPT system to streamline data management and operations planning.

Query Optimization

User Management

Network Planning

Logistics Optimization

**45%**

**Improved  
Efficiency**

**63%**

**Better API  
Integration**

**4X**

**Optimized Query  
Performance**

# Solutioning

## Challenges

- Ensuring optimal performance, especially with large datasets and complex queries.
- Designing the platform to handle rising user demand and data volume while maintaining performance.
- Protecting sensitive data and the platform against cyber threats.

## Technical Spotlight

- Used nHibernate for efficient object-relational mapping (ORM) to optimize database interactions.
- Utilized microservices architecture with Spring Boot to enable modular development and easy scalability.
- Integrated Spring Security to enforce authentication, authorization, and data encryption.

## Solution Highlights

- Improved database performance, resulting in faster query execution and system performance optimization.
- Allowed the platform to handle increasing demand and data volume.
- Ensured robust protection against security vulnerabilities, safeguarding sensitive data.

## Tech Stack





## LOGISTICS



### DELIVERY STATUS

TODAY

Within the time limit **92**

Out of the time limit **03**

Not delivered **00**

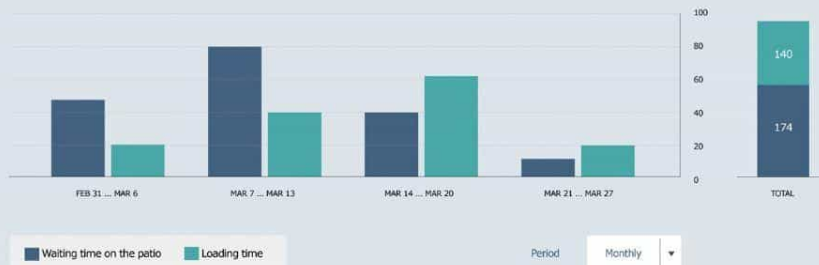
**96%**

Within the time limit



### LOAD ANALYSIS (date x minute)

LAST UPDATE  
13:54:34 08/12/2016



### COST

Average delivered:

\$ **14,37**

Daily:

\$ **8.340,90**

Monthly:

\$ **30.982,82**

### TRAVELED MILES

Average delivered:

**34** miles

Daily:

**9.962** miles

Monthly:

**139.500** miles

### FLEET VEHICLES



TOTAL **95**

On the move **90**

In maintenance **02**

Unavailable **03**



Customer Support

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## An Extension of Amazon's Global Operations Located in India

Crafted a platform to streamline and elevate the customer service experience.

Customer service

Knowledge Management

Module Precision

**70%**

**Improved  
Customer Service**

**56%**

**Enhanced Policy  
Accessibility**

**3X**

**Streamlined Module  
Development**



# Solutioning

## Challenges

- Ensuring immediate access to all customer-related data, even during connectivity disruptions in customer calls.
- Ensuring accurate matching of terms and details within the Returns and Refund module.
- Facilitating easy access to new and updated policies to associates for quick reference.

## Technical Spotlight

- MySQL 5.0 offered a reliable and efficient relational database management system for data storage and retrieval.
- MVC offered a structured approach to application design, promoting modularity and separation of concerns for ease of management.
- Core Java provided the foundational tools and libraries for building Knowledge center module, offering versatility in application development.

## Solution Highlights

- Implemented offline modes to allow seamless data access and complaint generation even in the absence of connectivity.
- Developed robust modules like Returns and Refund, ensuring accurate matching of terms and details to reflect expired return windows automatically, minimizing manual error.
- Centralized policies and illustrations for easy access within the Knowledge Center Module.

Tech Stack



Available Age...  
Today

1

Average Handling Time  
Today

03:45

Answered Calls  
Today

6

Average Wait Time  
Today

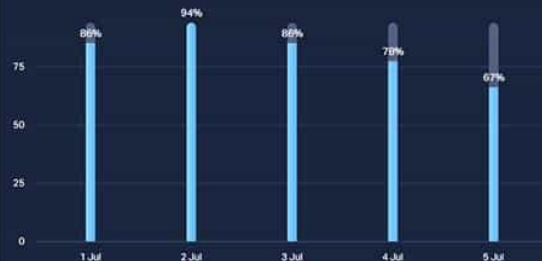
01:48

Abandon rate  
Today

6%

SLA

Month to date



## Agent Performance

Current month

EMPLOYEE	AVAILABILITY	INBOUND CALLS	AHT	OUTBOUND CALLS
2  Mike Novak	available	15	03:40	3
3  Jennifer Mata	custom	19	03:12	4
4  Karen Castillo	custom	22	03:50	2
5  Kyle Daniels	custom	18	04:20	0
6  Susan Anderson	custom	16	03:20	0
7  Anna Cole	unavailable	19	03:45	0

## CSAT

Current month



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Global Leader in Customized Plastics Solutions

Created a feature-rich mobile application making customer support more accessible.

Location Services

Social Media Integration

Security

UI/UX

**5x**

**Improved  
Customer Support**

**60%**

**Increased  
Interactivity**

**3x**

**Enhanced Security**

# Solutioning

## Challenges

- Managing smooth playback of videos and multimedia content while maintaining app performance.
- Handling large volumes of images and ensuring fast loading times without compromising app responsiveness.
- Integrating geolocation services for accurate location tracking and user convenience.

## Technical Spotlight

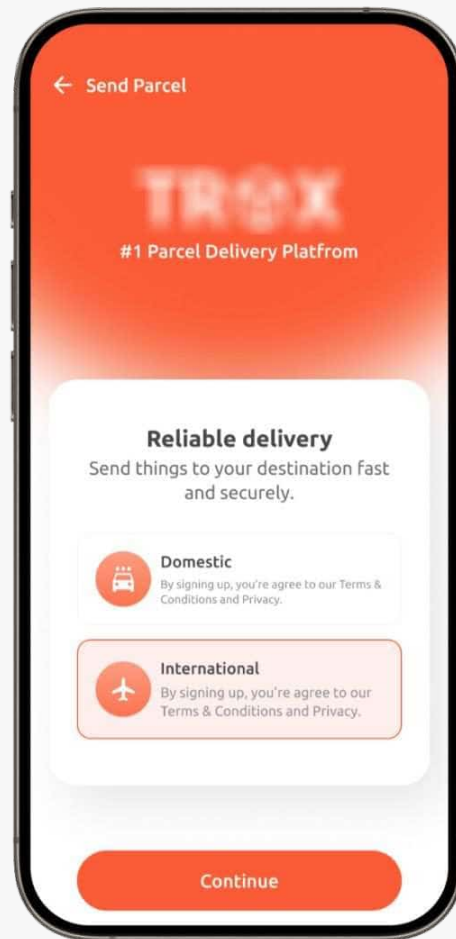
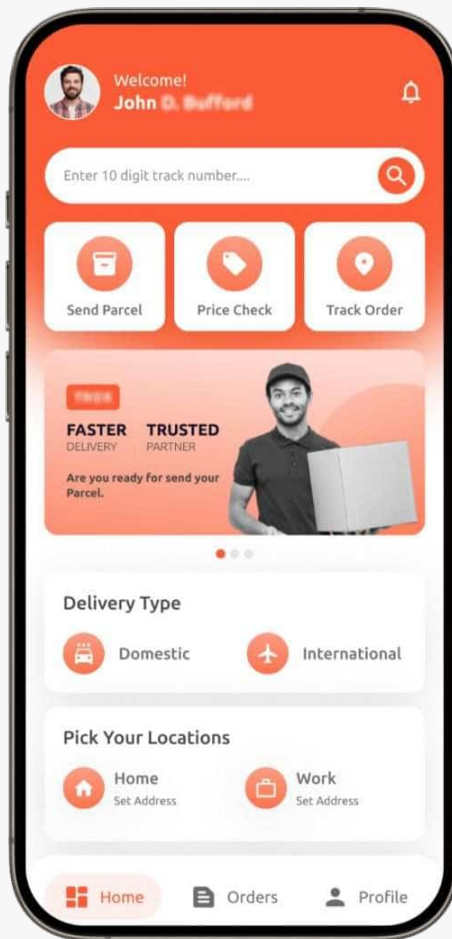
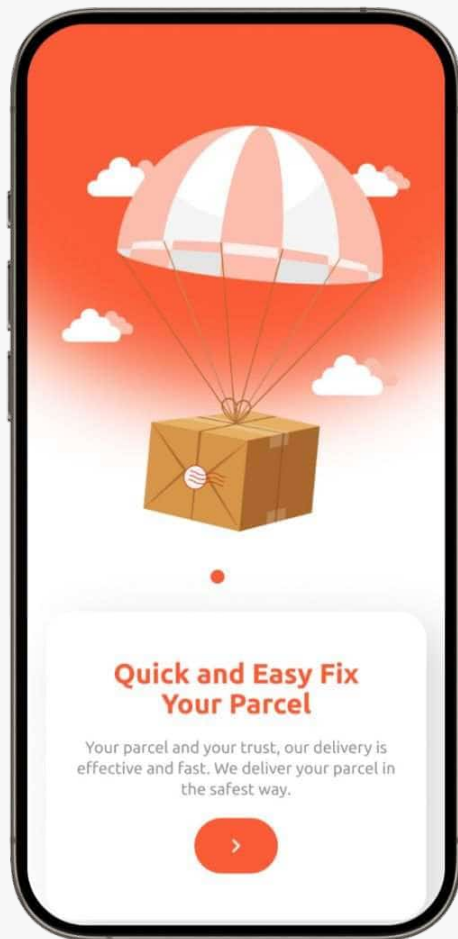
- Utilized AV Foundation and Media Player for efficient multimedia playback.
- Implemented SDWebImage for efficient image loading, caching, and handling.
- Utilized Core Location and Map Kit to integrate location-based services.

## Solution Highlights

- Provided smooth and uninterrupted playback of multimedia content, enhancing user satisfaction.
- Reduced loading times and improved overall app performance.
- Enhanced user convenience and utility by providing accurate location tracking and mapping functionalities.

## Tech Stack





# Inventory Management



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Technology-driven Logistics Platform

Developed a platform to streamline inventory management and order fulfillment.

Performance Optimization

API Management

Payment Integration

UI/UX

**70%**

**Better Inventory  
Management**

**5X**

**Improved  
Customer Support**

**84%**

**Enhanced Payment  
Processing**



# Solutioning

## Challenges

- Integrating multiple third-party APIs including RazorPay, WHMCS, and Freshdesk.
- Ensuring that the platform can handle increasing traffic and user data while maintaining performance.
- Ensuring the platform functions seamlessly across different devices and operating systems.

## Technical Spotlight

- Utilized Laravel's middleware feature to streamline API integration and handle requests.
- Deployed the application on a UNIX/Linux server to distribute traffic evenly across multiple servers.
- Developed a responsive user interface using AngularJS.

## Solution Highlights

- Simplified the integration of third-party APIs, reducing development time and complexity.
- Accommodated growing traffic and user data, maintaining performance.
- Ensured the platform functions smoothly across different devices and operating systems, enhancing user satisfaction.

## Tech Stack





Milan Jack



Search....



Dashboard



Inventory



Production tracking



Orders



Reports

## Inventory / (2498)

Search

Search for inventory....

Category

Notebook

Stock alert

Shirt

+ Add Product

<input type="checkbox"/>	Product name	Product ID	Category	Incoming	Reserved	Quantity	Price	Action
<input checked="" type="checkbox"/>	Shirt	HK4886	Chair	68	189	120	\$8780.87	
<input type="checkbox"/>	Notebook	HK4886	Chair	40	189 Low Stock	120	\$8780.87	
<input type="checkbox"/>	Laptop	HK4886	Chair	32	19	120	\$8780.87	
<input type="checkbox"/>	Carrots	HK4886	Chair	44	139 Out Of Stock	120	\$8780.87	
<input type="checkbox"/>	Oatmeal	HK4886	Chair	98	109	120	\$8780.87	
<input type="checkbox"/>	Honey	HK4886	Chair	12	188 Low Stock	120	\$8780.87	
<input type="checkbox"/>	Yeast	HK4886	Chair	42	189	120	\$8780.87	
<input type="checkbox"/>	Molasses	HK4886	Chair	18	189 Out Of Stock	120	\$8780.87	

< 1 2 3 4 5 ... >

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Premier Provider of Calibration, Temperature, and Maintenance Solutions

Created a comprehensive solution to streamline inventory management, purchase orders, and sale indents.

Inventory Management

Real-time Tracking

Scalability

Barcode and QR Code

**68%**

**Improved  
Efficiency**

**54%**

**Increased Data  
Accuracy**

**4X**

**Optimized Reporting**

# Solutioning

## Challenges

- Integrating barcode and QR scanners seamlessly despite compatibility issues and varying data formats.
- Ensuring data security and privacy, especially with sensitive information such as inventory and client data.
- Developing a system that functions seamlessly across multiple operating systems.

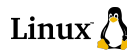
## Technical Spotlight

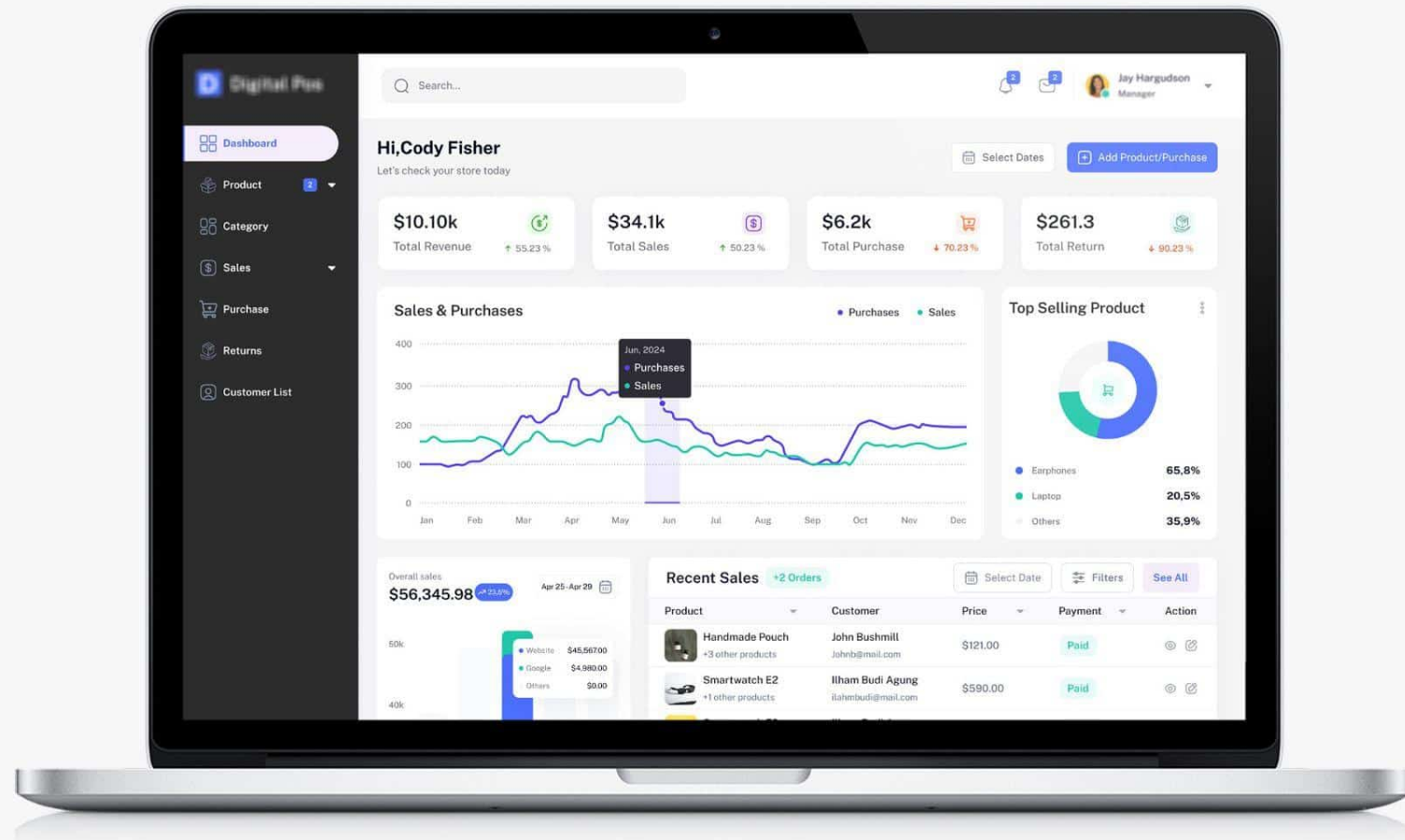
- Utilize PHP libraries for barcode and QR code processing, ensuring compatibility across data formats.
- Implemented MySQL's encryption functions and SQLite's access control features.
- Employed PHP, CSS, HTML, and XML for cross-platform compatibility, and the MVC architecture to abstract platform-specific details.

## Solution Highlights

- Ensured seamless integration of barcode and QR scanners, simplifying development and improving usability.
- Enhanced data security, instilling trust among users.
- Enabled consistent functionality across different operating systems, expanding the platform's accessibility to users.

## Tech Stack





# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## Africa's Leading Provider of Digital Supply Chain Infrastructure

Developed a web application tailored for efficient inventory management.

Code Quality Assurance

Inventory Management

API Integration

Scalability

**90%**

**Code Quality  
Assurance**

**6X**

**Better Inventory  
Management**

**65%**

**Increased Data  
Integrity**

# Solutioning

## Challenges

- Managing diverse data entities such as products, categories, SKUs, and business information efficiently.
- Ensuring real-time data fetching and updating while maintaining performance and scalability.
- Creating a responsive user interface that adapts to various screen sizes and devices.

## Technical Spotlight

- Leveraged TypeScript's strong typing and PostgreSQL's relational database capabilities.
- Used React Query to provide a powerful solution for real-time data fetching and caching.
- Utilized Tailwind CSS for utility-first classes to simplify responsive design.

## Solution Highlights

- Enabled organization and management of complex data structures efficiently.
- Enabled seamless real-time updates to the UI, enhancing user experience.
- Created responsive UI designs that adapt to different screen sizes and devices.

## Tech Stack







Catalog > Inventory



John Doe



GENERAL

- Dashboard
- Catalog
- Inventory**
- Customers
- Marketing
- Apps & Integrations
- Marketing
- Apps & Integrations

- Settings
- Sign Out

## Inventory

Q Search...

Record A Breakage

Record A Transfer

Total products

120+

From last month



Total Quantity

102.2ML

From last month



Cost Value

\$679K

From last month



Cost by Unite

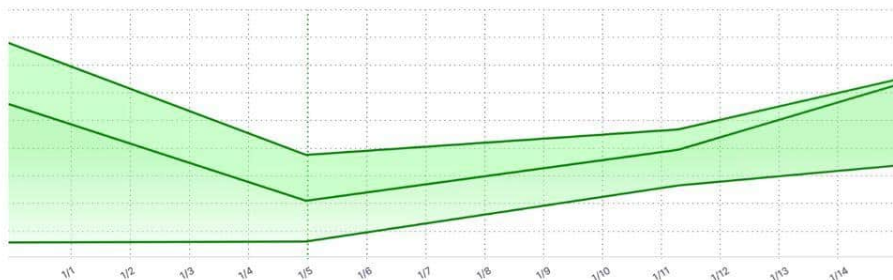
\$1089

From last month



## Incident Report

Last 7 Days



Product/Items Name	Quantity	Cost By Unit	Cost Value	Restocking Threshold	Average Storage life (Days)	Supplier	Cart
Vodka Absolut	5.5 L	47	\$ 258.5	5	6	MMI	

# Internet of Things (IoT)



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Leading Provider of Innovative Data-driven Industrial AI Solutions

Developed an Android application for IoT monitoring in manufacturing plants.

IoT

Real-time Alerts

User Authentication

Security

**4X**

**Improved  
Efficiency**

**100%**

**Secure Access  
Control**

**62%**

**Increased  
Productivity**

# Solutioning

## Challenges

- Integrating various components like IoT monitoring, real-time alerts, and secure authentication.
- Ensuring robust security measures to protect sensitive manufacturing data and prevent unauthorized access.
- Managing large volumes of data from IoT devices efficiently and securely.

## Technical Spotlight

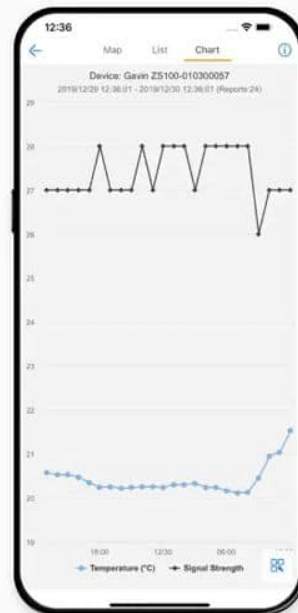
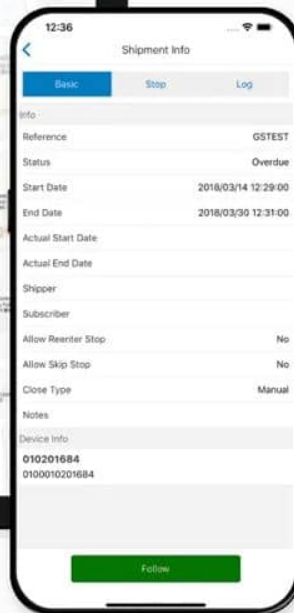
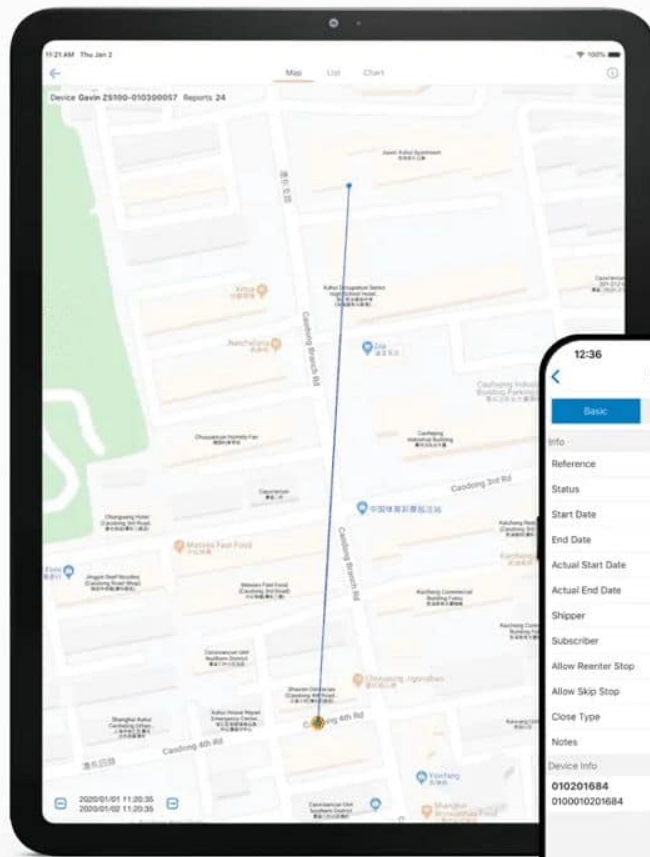
- Used Kotlin for modular development to break down the project into manageable components.
- Implemented secure authentication mechanism Okta SSO and ensured data encryption.
- Implemented efficient data storage and retrieval mechanisms with SQLite and DAO.

## Solution Highlights

- Facilitated smoother integration of components, reducing complexities and enhancing project efficiency.
- Ensured the protection of sensitive manufacturing data.
- Ensured seamless storage and retrieval of large volumes of data from IoT devices.

Tech Stack





# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Multifaceted Conglomerate Spanning Various Industries

Created a deep learning and IoT-based solution for quality analysis in tractor production lines.

IoT

API Integration

Automation

Scalability

**53%**

Enhanced  
Scalability

**75%**

Improved User  
Experience

**4X**

Enhanced Data  
Visualization

# Solutioning

## Challenges

- Optimizing platform performance to minimize loading times and ensure smooth user interactions.
- Handling real-time data updates and interactions efficiently to provide timely and accurate information to users.
- Safeguarding sensitive user and organizational data from potential security breaches and vulnerabilities.

## Technical Spotlight

- Utilized Python and Flask frameworks to optimize code performance and identify and eliminate bottlenecks.
- Leveraged AJAX technology to enable asynchronous data processing and real-time updates.
- MySQL 5.0's security features and Google API's authentication mechanisms were utilized.

## Solution Highlights

- Improved platform performance and reduced loading times, enhancing overall user satisfaction.
- Provided users with timely information, improving the overall user experience.
- Ensured robust protection of sensitive user and organizational data, mitigating security risks and vulnerabilities.

## Tech Stack



[TRACTORS](#)[IMPLEMENTS](#)[About Us](#)[Blogs](#)[English](#)[Get Price](#)[Service](#)[Find Dealer](#)[Search](#)[HOME](#) > [Digisense](#)

Track your Tractor

**Stay connected with our  
Next Generation AI-driven app.**



## Overview

Digisense 4G is the Next Gen AI (Artificial Intelligence) driven open Architecture connected solution. Digisense 4G improves upon the successful Mahindra Digisense platform. This data driven app helps farmers track their tractors and control their farming activities remotely. It aims to empower farmers with data on their farming operations, which in turn will enable them to make more profitable decisions. This solution is compatible with 4G and a multitude of devices from smartphones to standard laptops. Now, nothing will escape the farmer's eye. He now holds his very own third-eye, in the palm of his hand.

[Need Help?](#)



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

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Tracking/Geofencing

Warehousing

## A Family-Run Company Specializing in Weighing Technology

Built an IoT-powered application to automate the materials weighing process.

Cloud Connectivity

IoT Integration

Automation

Remote Monitoring

**70%**

**Streamlined  
Operations**

**6X**

**Improved Safety  
Measures**

**47%**

**Increased  
Productivity**

# Solutioning

## Challenges

- Integrating various components such as IoT devices, cloud servers, and local databases.
- Ensuring seamless synchronization between local SQLite databases and cloud servers.
- Ensuring the platform can handle increased loads and scale effectively as the user base grows.

## Technical Spotlight

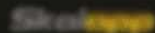
- Android (Java)'s modular development allowed for gradual integration of components.
- Utilized Retrofit library for RESTful API communication, enabling seamless synchronization.
- Employed Windows Server for cloud hosting and scalability.

## Solution Highlights

- Simplified integration with Java's modular development, enabling a smoother development process.
- Seamless synchronization between local databases and cloud servers.
- Ensured scalability, enabling the platform to handle increased loads and accommodate growth.

## Tech Stack



[Skalapp](#)[Skalapp DV](#)[Skalapp Online](#)[Service](#)[About](#)[News](#)[Contact](#)[SKALAPP ONLINE](#)[ČESKY](#) [ENGLISH](#)

# WEIGHING WITHOUT LIMITS!

Increase the speed and efficiency of your wheeled loader, mobile crusher/screener or stationary conveyor belt operations with automatic, real-time Skalapp and Skalapp DV weighing systems. Both systems utilize today's most advanced technology for ensuring highly accurate weight measurements across a wide range of the most demanding environments.

[LEARN MORE](#) →

# Platforms



## Case Studies

AI and Analytics

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Customer Support

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Platforms

SAP

Tracking/Geofencing

Warehousing

### A Leading Logistics Technology Company Providing Supply Chain Softwares

Engineered a seamless digital Logistics Marketplace and Shipment Management platform.

Platformization

Order Management

Dynamic Pricing

Automation

**80%**

**Shipment Management  
Savings**

**100%**

**Secured  
Marketplace**

**48%**

**Improved  
Automation**

# Solutioning

## Challenges

- Inconvenience in quote-generation and sharing between the vendors and customers.
- Adoption of Manual methods for shipment management operations.
- Difficulty in managing import and export of commodities.
- Complicated registration process and workflow management.

## Technical Spotlight

- Leveraged Python for an efficient web application using Django Framework for quick development, clean, and maintainable design.
- Used Docker for handy encapsulation, isolation, portability, and control.
- Deriving summary statistics of numerical and categorical fields using PostgreSQL.
- Used Slack for sharing real-time updates with partners.

## Solution Highlights

- A seamless logistics marketplace for vendors and customers.
- Faster and on-time shipments.
- Ready for strong volume fluctuations.
- Shipment management dashboard and advanced data analytics.

### Tech Stack





General

Dashboard

Shipments

Tracking

Integrations

Invoices

Profile

User Profile

Company Profile

Corporate

Mail

Help & Support

General / Shipments

Search

35/



Anna Shytsina  
Super Admin



## Shipments

All Delivered Pending Shipping Canceled

+ Create Shipment

Search



<input type="checkbox"/>	Shipment ID	Customer	Weight	Shipper	Price	Arrival Date	Status
<input type="checkbox"/>	#CM9801	Tynisha Obey	4kg, 40×40×40	DHL	\$10,000	Jan 20, 2020	<span>Pending</span>
<input type="checkbox"/>	#CM9802	Cyndy Lillbridge	24kg, 20×15×25	FedEx	\$2,000	Feb 1, 2020	<span>Pending</span>
<input type="checkbox"/>	#CM9803	Tyra Dhillon	500gr, 10×10×10	Amazon Prime	\$1,000	Jan 24, 2020	<span>Shipping</span>
<input checked="" type="checkbox"/>	#CM9804	Marci Senter	500g, 10×10×10	UPS	\$1,000	Feb 1, 2020	<span>Shipping</span>
<input type="checkbox"/>	#CM9805	Rochel Foose	2kg, 20×15×25	DHL	\$2,000	Feb 1, 2020	<span>Pending</span> ...
<input type="checkbox"/>	#CM9801	Aileen Fulbright	3kg, 40×40×40	FedEx	\$12,000	Jan 20, 2020	<span>Shipping</span>
<input type="checkbox"/>	#CM9802	Johnsie Jack	3kg, 20×20×20	Amazon Prime	\$1,000	Jan 19, 2020	<span>Delivered</span>
<input type="checkbox"/>	#CM9801	Annabel Rohan	1kg, 10×10×10	DHL	\$12,000	Jan 19, 2020	<span>Delivered</span>
<input type="checkbox"/>	#CM9800	Elanor Pera	2kg, 20×15×25	FedEx	\$1,000	Feb 1, 2020	<span>Shipping</span>
<input type="checkbox"/>	#CM9799	Marielle Wigington	500g, 10×10×10	Amazon Prime	\$1,000	Feb 1, 2020	<span>Pending</span>
<input type="checkbox"/>	#CM9798	Darcel Ballentine	4kg, 40×40×40	UPS	\$15,000	Jan 24, 2020	<span>Shipping</span>

< 1 2 3 4 5 >

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Tech Company Offering Innovative Order Processing Solutions

Built a comprehensive online platform for restaurant management and ordering.

Payments

Microservices Architecture

Platformization

Load Balancing

**90%**

**Seamless  
Payments**

**5X**

**Performance  
Optimization**

**7X**

**Robust Database  
Management**



# Solutioning

## Challenges

- Developing and managing multiple microservices simultaneously, each with different complexities.
- Ensuring data security and compliance with regulations, especially when dealing with sensitive user information.
- Managing PostgreSQL databases efficiently and optimizing performance for a large number of concurrent users.

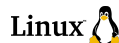
## Technical Spotlight

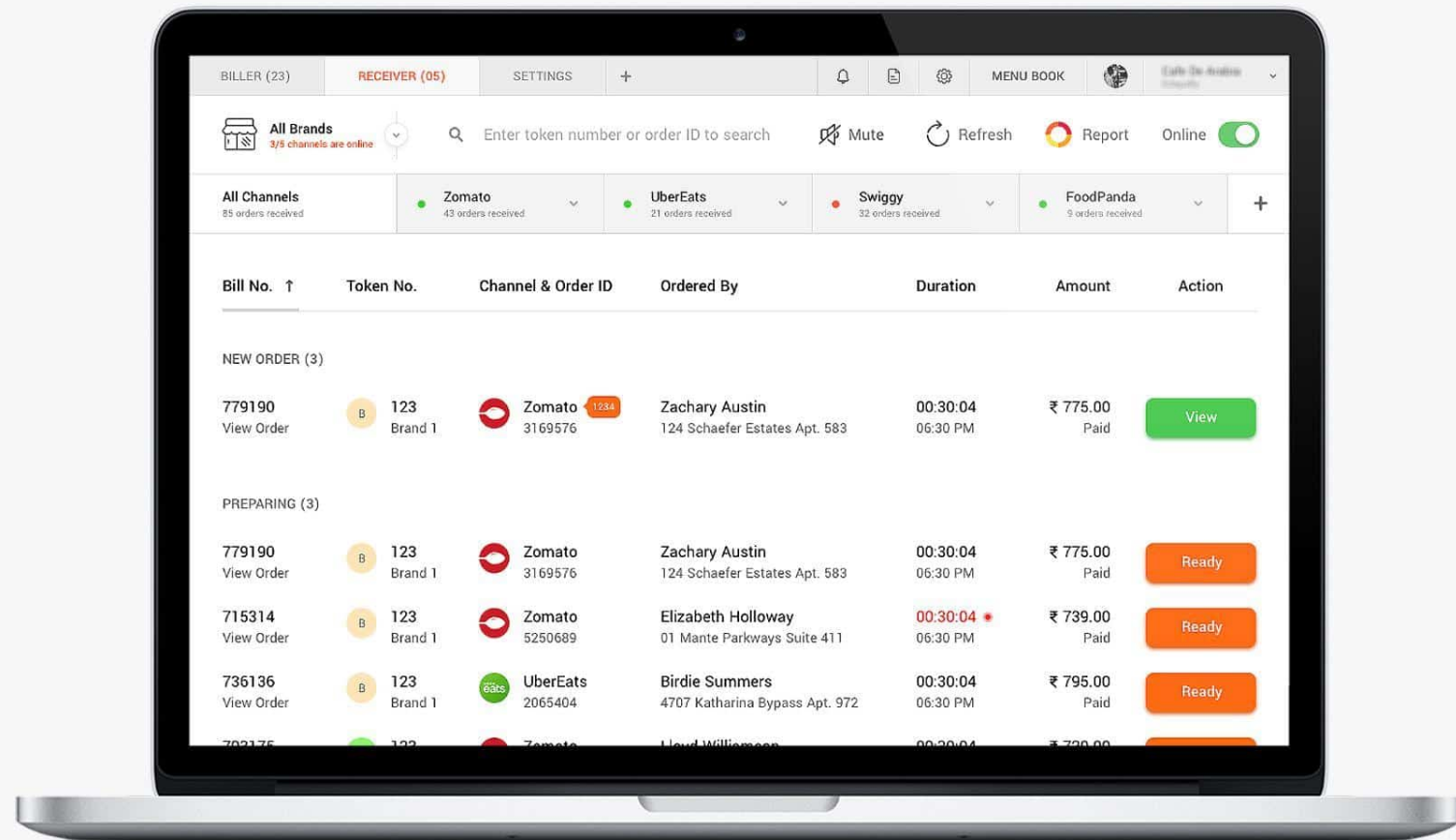
- Utilized Docker for containerization, packaging each microservice along with its dependencies.
- Implemented Spring Security's robust security features for user authentication and authorization.
- Used Hibernate ORM to simplify database management tasks, providing a high-level abstraction over SQL queries.

## Solution Highlights

- Ensured consistency in deployment across environments, reducing complexities and easing management.
- Enhanced data security, including encryption and access control.
- Ensured efficient data storage, retrieval, and management for improved platform performance.

## Tech Stack





# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## One of the World's Leading Logistics Companies

Developed an e-store platform, providing international and domestic shipping services.

Shipment Tracking

Payment Gateway

Version Control

Platformization

**60%**

**Better Shipment  
Visibility**

**5X**

**Improved  
Performance**

**99%**

**Secure Payment  
Processing**

# Solutioning

## Challenges

- Integrating various components such as payment gateway, frontend framework, and backend framework.
- Integrating external APIs, such as social media APIs for enhanced user engagement, with the platform.
- Ensuring optimal performance across different server versions and managing database queries for efficient data retrieval.

## Technical Spotlight

- Implemented modular development approach using CodeIgniter for backend and AngularJS for frontend.
- Utilized PHP libraries and CodeIgniter framework to create wrappers for external APIs.
- Utilized MS SQL's optimization techniques such as indexing and query optimization for efficient data handling.

## Solution Highlights

- Allowed for seamless integration of components, ensuring a cohesive platform that functions smoothly.
- Ensured seamless interaction with external services.
- Enhanced performance, ensuring faster data retrieval and better overall platform responsiveness.

## Tech Stack





Global Search

Track Ship Logistics Solutions Customer Service

Customer Portal Logins

eCommerce

Asia Pacific Europe North America Tracking Customer Service Sustainability



Track a Shipment



Select a Location



Contact Us

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Global Logistics Network Comprising 15 Leading Logistics Providers

Crafted a digital platform to improve user experience and functionality.

Performance Optimization

Data Security

Code Maintenance

Scalability

**50%**  
Improved  
Functionality

**9X**  
Enhanced  
Security

**76%**  
Better Data  
Management

# Solutioning

## Challenges

- Ensuring consistent functionality and appearance across different web browsers.
- Optimizing website performance and responsiveness, especially when handling large volumes of data.
- Managing the complexity of server-side scripting and database management.

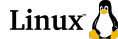
## Technical Spotlight

- Used CSS resets and browser prefixes to standardize rendering, implemented enhancement techniques.
- Utilized AJAX for asynchronous data retrieval and processing and JavaScript files to reduce load times.
- Utilized PHP frameworks for structured backend development.

## Solution Highlights

- Ensured consistent user experience across different browsers, increasing user satisfaction and engagement.
- Improved user experience and retention.
- Structured codebase and efficient development practices lead to easier maintenance and scalability of the platform.

## Tech Stack



[SIGN UP](#)[LOGIN](#)

# WELCOME TO

The ~~Worldwide Alliance's~~ mission is to offer customers the opportunity to utilize our growing global network to find simple, personal and cost effective LCL solutions.

[LEARN MORE](#)[Sailing Schedules](#)[Track A Shipment](#)[Locations](#)

Cut-off Date\*

2024-05-15



2024-08-13



Origin\*

Destination\*

Please find an origin.

[SUBMIT](#)



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## The Digital Publication of a Global Leader in LCL Consolidation

Created a responsive web application encompassing design, development, and implementation.

Responsive Design

UI/UX

Client-Side Scripting

Cross-Platform Compatibility

**7X**  
Improved  
Accessibility

**50%**  
Enhanced  
Brand Visibility

**82%**  
Increased User  
Retention

# Solutioning

## Challenges

- Designing a layout that adapts seamlessly to various screen sizes and devices.
- Implementing interactive elements and animations while maintaining performance.
- Managing and organizing codebase for scalability and future updates.

## Technical Spotlight

- Utilized Bootstrap's grid system for building dynamic and responsive layouts with ease.
- Leveraged jQuery for DOM manipulation, simplifying complex UI interactions and event handling.
- Implemented a modular CSS architecture for better code organization and maintenance.

## Solution Highlights

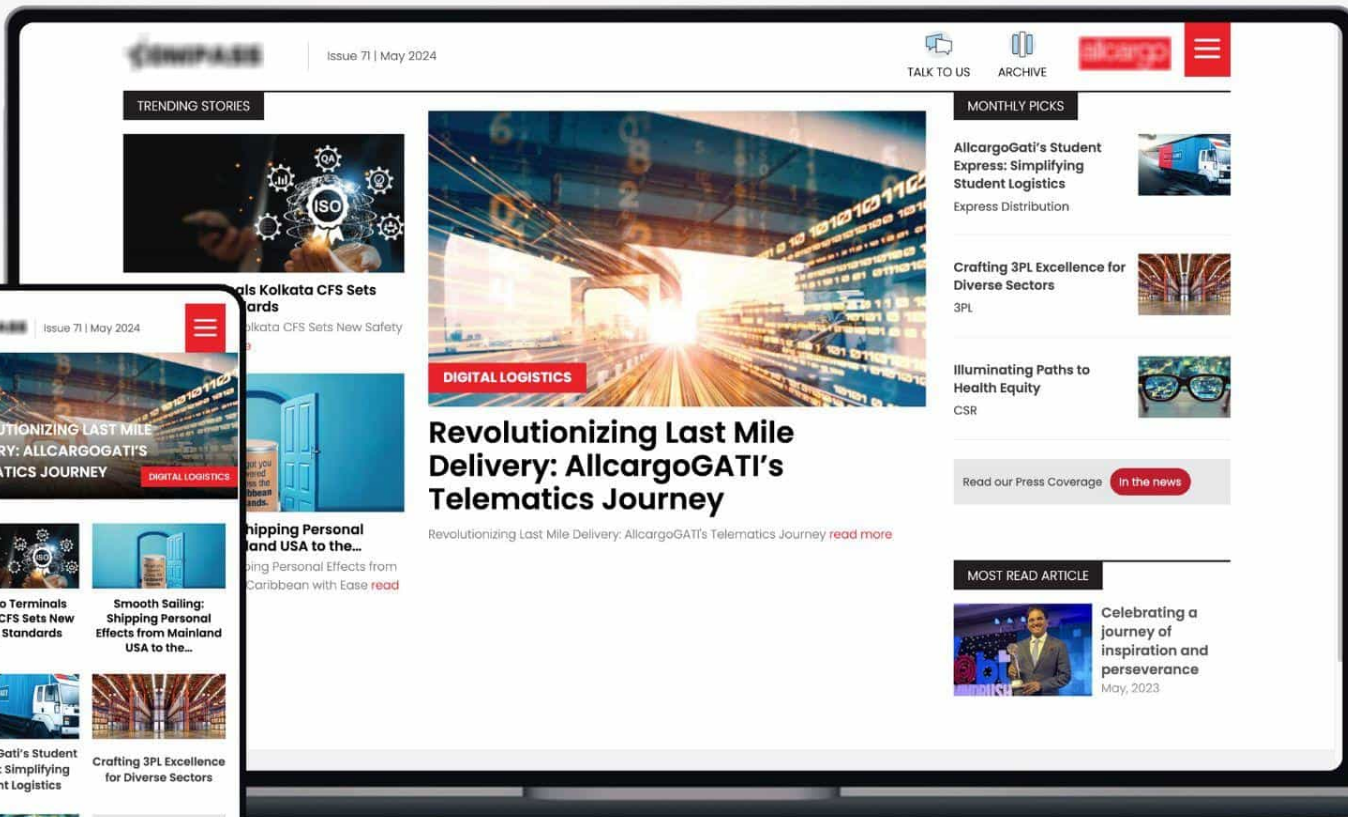
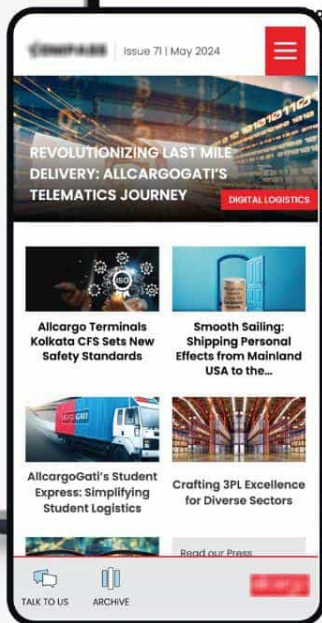
- Simplified the creation of responsive layouts, ensuring a seamless user experience across devices.
- Enabled engaging features without sacrificing performance.
- Promoted code organization and maintainability, facilitating easier updates and scalability.

## Tech Stack



Bootstrap





A man wearing a white hard hat and a light blue button-down shirt is smiling while looking at a tablet computer. He is standing in a warehouse with tall blue and yellow shelving units filled with boxes in the background. The word "SAP" is overlaid in white text on the image.

**SAP**

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

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Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Global Conglomerate with Operations in Shipping, Logistics, and Retail

Built partner projects and leveraged SAP integration to automate invoice generation and financial transactions.

Version Control

Automation

Database Management

SAP Integration

**56%**

**Increased  
Efficiency**

**70%**

**Faster Payment  
Processing**

**6X**

**Improved  
Real-Time Analytics**

# Solutioning

## Challenges

- Ensuring seamless functioning across operating systems and devices.
- Building a platform that can scale effectively for future growth.
- Ensuring the security of sensitive data.

## Technical Spotlight

- Used HTML5, CSS, and Twitter Bootstrap to create a responsive and adaptable design.
- Utilized C# and VB.NET to support future growth and increased user demand.
- Leveraged built-in security features of MS SQL Server 2012.

## Solution Highlights

- Ensured that the platform functions seamlessly across different operating systems and devices.
- Ensured a seamless user experience even as the platform evolves.
- Mitigated the risk of data breaches and compliance violations.

## Tech Stack





#### MENU

Dashboard

Activities

Card

Report



Notification

4

Billing

Invoices

help Center

Settings

Log Out

## Hi, Devon! Welcome Back

Your next installment of \$103.58 is due on **April 3rd, 2024**

Income

850.00 \$

My Balance

57.230.00 \$

Expenses

198.00 \$

Income Expenses

\$57,230.

\$57,230.

This Week



#### Transaction

[See More](#)



Apartment Loan

4th Payment

**+\$214,05**

Sept 4, 2024



Business Loan

Down Payment

**+\$457,54**

Apr 10, 2024



Top Up Balance

4th Payment

**-\$245,12**

May 12, 2024



Business Loan

**-\$374.62**

#### Invoices

[+ New Invoice](#)

Number	Date	Client Name	Amount	Status
704.555.0127	February 11, 2014	Albert Flores	\$680.00	Pending
201.555.0124	May 31, 2015	Robert Fox	\$3,666.71	Pending
303.555.0105	November 7, 2017	Bessie Cooper	\$102.00	Pending
205.555.0100	August 2, 2013	Annette Black	\$145.00	Completed

#### Savings

[See More](#)



# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Multinational Conglomerate Headquartered in Mumbai

Developed a chatbot supported by SAP integration and machine learning to streamline ticket management.

Automation

Natural Language Processing (NLP)

SAP Integration

Real-Time Insights

**9X**

**Improved Ticket  
Management**

**73%**

**Enhanced Data  
Accuracy**

**58%**

**Better Resource  
Utilization**



# Solutioning

## Challenges

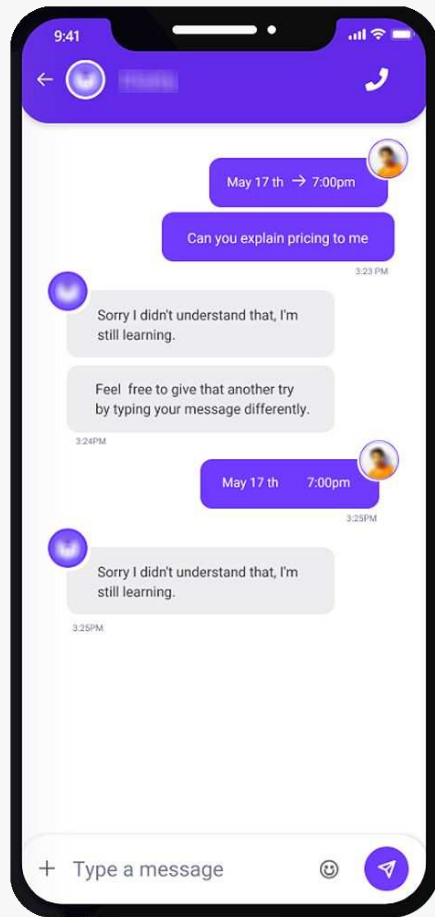
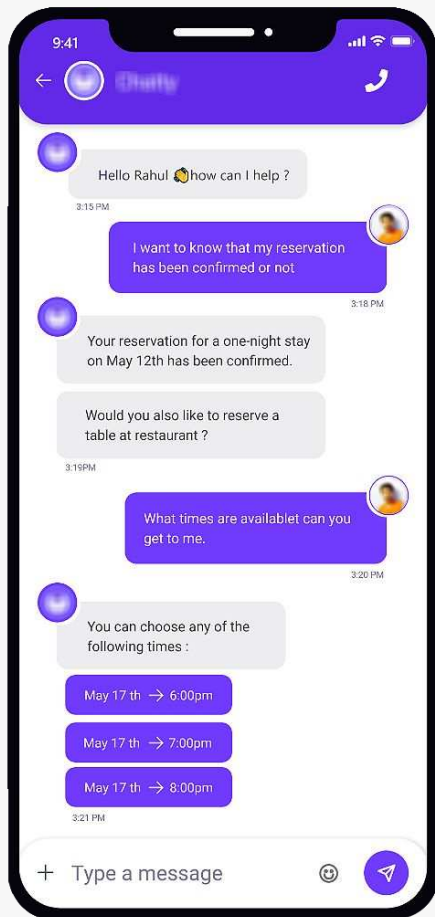
- Integrating SAP and BMC Remedy seamlessly, considering their differing data formats and protocols.
- Ensuring the platform can handle increasing user and ticket volumes without performance degradation.
- Ensuring the accuracy and reliability of TFIDF, NLP/NLU, and SKLearn algorithms in ticket categorization and data population.

## Technical Spotlight

- Used Python to develop standardized APIs for SAP and BMC Remedy, simplifying integration processes.
- Leveraged UNIX/Linux environments along with Python to deploy the platform on cloud infrastructure.
- Utilized TFIDF, NLP/NLU, and SKLearn within Python to continuously train and evaluate machine learning models using real-world data.

## Solution Highlights

- Ensured seamless integration between SAP and BMC Remedy, enhancing system interoperability.
- Ensured the accommodation of increased user and ticket volumes.
- Enhanced accuracy and reliability of ticket categorization and data population, leading to more efficient ticket management and user satisfaction.



# Vehicle Tracking and Geofencing

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Global Leader in Commercial Vessels Managing Bulk Carriers and Tankers

Revamped the legacy application with new features and introduced Automation that help them manage and track fleets, and draw real-time Insights.

Digital Transformation

Modernization

User Experience

IoT

API Security

Analytics

**55%**

**Increased Customer  
Acquisition**

**90%**

**Better Forecasting  
Efficiency**

**3X**

**Better Decision  
Making**

# Solutioning

## Challenges

- Existing legacy application system that had restricted functionality.
- Third party data-storage that hindered extracting key insights in real-time.
- Absence of tracking feature retarded visibility on vessel operations and estimated delivery times.
- Lack of automation led to excessive time spent on administrative task.

## Technical Spotlight

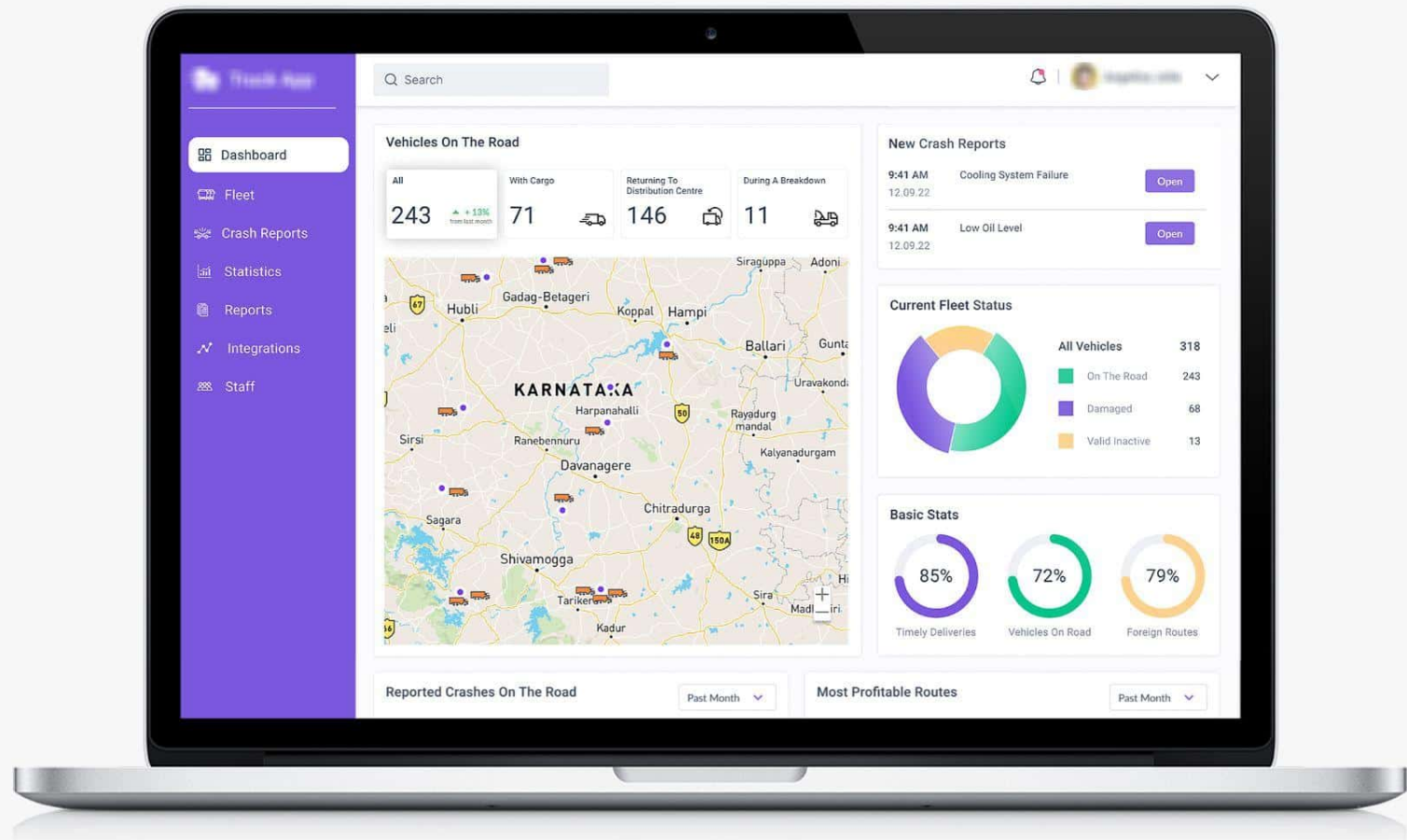
- Leveraged Angular 8 at the frontend and ASP.NET CORE 2.0 at the backend to introduce advanced functionality.
- Azure Cloud that enabled accessing and owning their data.
- Veslink (Python script) & Metostartum APIs module to push and pull real time data.
- Used JWT token based authorization for purpose of API security.

## Solution Highlights

- Integrated IoT to help tracking of vessel, measure logistics performance & fuel efficiencies.
- Captured data for intuitive report and facilitated key business decisions.
- Automated manual and repetitive processes, enhancing productivity & saved costs.

## Tech Stack





# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Renowned Indian Organization Responsible for Port Management

Developed a Port Community System (PCS), a centralized hub that syncs all the data from different ports at one place.

UX/UI

Mobility

Geolocation

Payment Gateway

**82%**

**Increased Port  
Efficiency**

**100%**

**Data Encryption**

**7X**

**More Intuitive  
User Navigation**

# Solutioning

## Challenges

- Scattered data on ports & shipments and poor flow of trade documents resulting in difficulty to manage.
- Lack of systematic platform for the ports of India and other stakeholders and insecure payment methods.
- Manual and paper-based export/import trade operations.

## Technical Spotlight

- Leveraged ASP .NET and MVC framework.
- Implemented excellent data integration, analysis, and recovery mechanism with MS SQL.
- Created rich and user-friendly interfaces with JavaScript.
- Implemented XML for data aggregation and data simplification.

## Solution Highlights

- Improved data quality and lowered data management costs.
- Rapid customs clearance with the integrated electronic flow of trade-related documents.
- Centralized digital hub bringing multiple ports in one place.
- Introduced a paperless regime with automated and accurate import/export trade operations.

## Tech Stack







unde omnis

> accusantium doloremque

> laudantium

> totam rem aperiam

Sed ut perspiciatis

unde omnis

iste natus error

sit voluptatem

accusantium dolore

laudantium



Marine  
Operations



Cargo  
Operations



Liquid  
Operations



Container



Agent  
Registration



Switch  
Port



My  
Documents



Marine  
Operations



Cargo  
Operations



Liquid  
Operations



Container

#### Document Center



Sed ut perspiciatis



unde omnis



iste natus error



sit voluptatem



accusantium doloremque



laudantium



totam rem aperiam

#### News & Events

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium

February 2016

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
21	22	23	24	25	26	27
28	29					

Sed ut perspiciatis unde omnis iste natus

totam rem aperiam, eaque ipsa qu



Add Task



Reminder



Todo List

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Global Financial Services Company Offering a Wide Range of Services

Developed a fleet management application with real-time vehicle tracking.

Fleet Management

Performance Optimization

API Integration

Geolocation Services

**70%**

Improved  
Efficiency

**8X**

Enhanced  
Logistics

**100%**

Security

# Solutioning

## Challenges

- Handling real-time data from a large amount of vehicles for accurate tracking and analytics.
- Safeguarding sensitive information like location data and user details from unauthorized access or breaches.
- Developing a codebase that is easily maintainable and updatable.

## Technical Spotlight

- Implemented AJAX for asynchronous data processing to handle real-time updates efficiently.
- Implemented encryption protocols using C# and MS SQL 2012 to secure data transmission and storage.
- Developed modular code using ASP.NET MVC, facilitating maintainability and enabling easy updates.

## Solution Highlights

- Ensured timely updates of vehicle locations and analytics, providing users with up-to-date information.
- Guaranteed the security of sensitive data, fostering user trust.
- Facilitated easier maintenance and updates, reducing long-term development costs.

## Tech Stack



## Dashboard



All Time

### Accidents

week View All

Chart

List



### Compliance

week

Chart

List



### Drivers report

week View All

Driving loaded

Shipper/Receiver

Idle loaded

#	Drivers	Hrs
1	Malcolm Gomez	9 hr 15 min
2	Dominic Duncan	8 hr 45 min
3	Dwayne Fields	8 hr 30 min
4	Sam Shaw	8 hr 15 min
5	Pete Carter	7 hr 50 min

### ON hour cost

week View All

#	Drivers	Rate per shift
1	Malcolm Gomez	0.65

### Average Fuel

week View All

Gas

Diesel

#	Drivers	mpg
1	Malcolm Gomez	30
2	Dominic Duncan	35
3	Dwayne Fields	38
4	Dwayne Fields	30
5	Sam Shaw	40
6	Sam Shaw	30
7	Pete Carter	35
8	Pete Carter	38
9	Malcolm Gomez	30

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

Tracking/Geofencing

Warehousing

## A Leading Express Delivery and Logistics Service Providers in India

Built a comprehensive tracking and analysis tool for vendor product deliveries.

Real-time Tracking

Filtering Capabilities

API integration

Data Management

**6X**

**Better Data  
Visualization**

**49%**

**Enhanced  
Scalability**

**68%**

**Enhanced  
Performance**

# Solutioning

## Challenges

- Ensuring data privacy and compliance with regulations amidst handling sensitive shipment information.
- Integrating the platform with existing legacy systems for seamless data exchange.
- Handling and analyzing geographical data related to shipment routes and delivery locations.

## Technical Spotlight

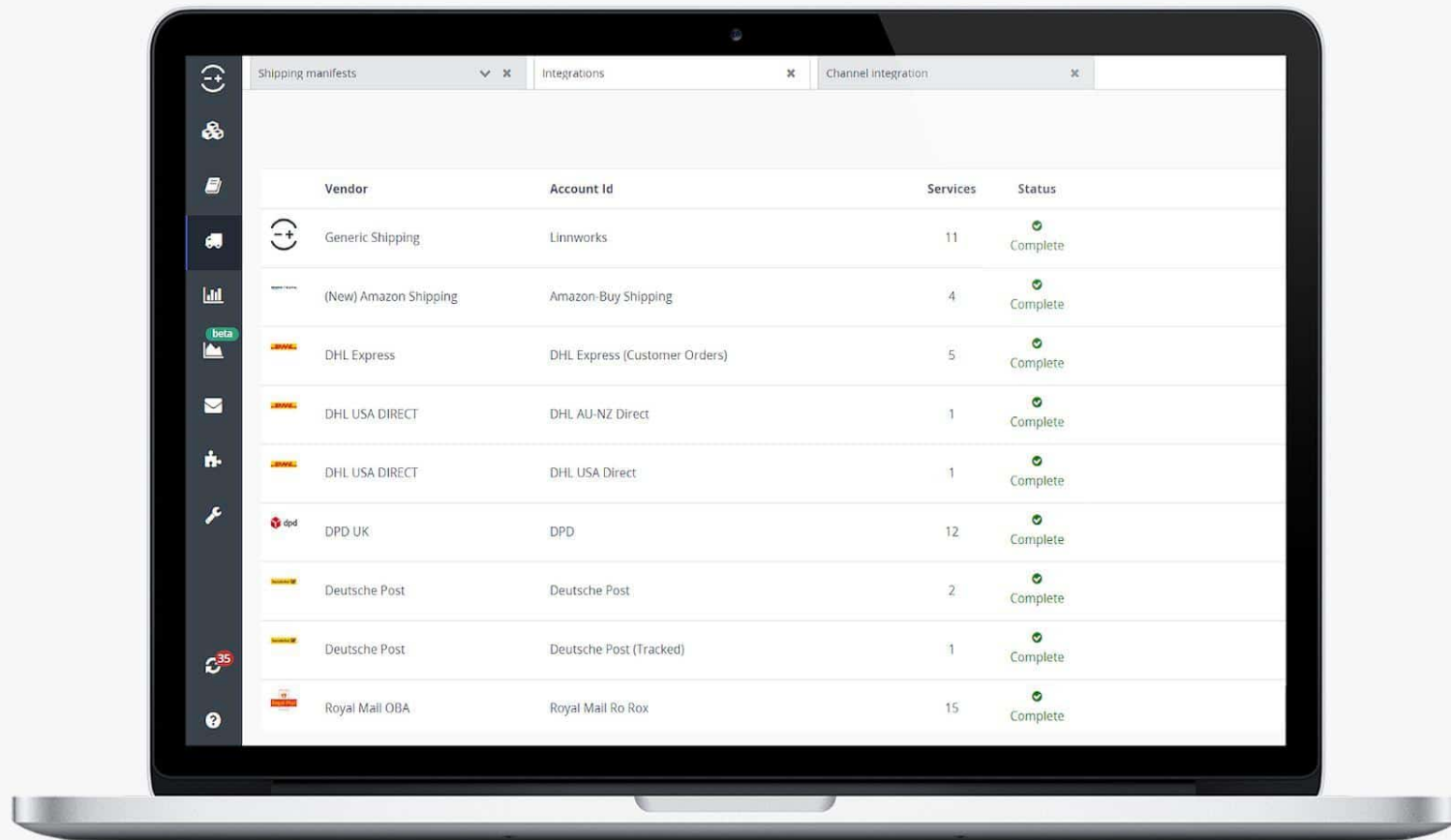
- Used TypeScript's static typing and advanced language features help enforce data security measures.
- Leveraged Angular 4.0's modular architecture, dependency injection, and component-based structure.
- Utilized Hadoop/HBase's distributed computing capabilities.

## Solution Highlights

- Helped mitigate security risks, ensuring data privacy and compliance with regulatory requirements.
- Streamlined the integration process, minimizing disruption.
- Enabled accurate analysis of shipment routes and delivery locations.

## Tech Stack





beta



Shipping manifests

Integrations

Channel integration

Vendor	Account Id	Services	Status
Generic Shipping	Linnworks	11	Complete
(New) Amazon Shipping	Amazon-Buy Shipping	4	Complete
DHL Express	DHL Express (Customer Orders)	5	Complete
DHL USA DIRECT	DHL AU-NZ Direct	1	Complete
DHL USA DIRECT	DHL USA Direct	1	Complete
DPD UK	DPD	12	Complete
Deutsche Post	Deutsche Post	2	Complete
Deutsche Post	Deutsche Post (Tracked)	1	Complete
Royal Mail OBA	Royal Mail Ro Rox	15	Complete

# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

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Tracking/Geofencing

Warehousing

## A Tech-driven Logistics Company Offering End-to-End Freight Solutions

Built an integrated Digital Freight Forwarding System facilitating instant booking and real-time tracking.

Microservices Architecture

API Integration

Containerization

Real-time Tracking

**4X**

**Improved  
Efficiency**

**82%**

**Better Real-time  
Tracking**

**55%**

**Seamless API  
Integration**



# Solutioning

## Challenges

- Integrating multiple shipping carrier APIs and web scraping for data collection.
- Managing and querying large datasets efficiently while maintaining data integrity.
- Ensuring the platform can handle increased traffic and data volume as the user base grows.

## Technical Spotlight

- Developed a standardized interface using Node.js and Express Framework to integrate with shipping carrier APIs.
- Utilized PostgreSQL along with Redis for caching to optimize data storage and retrieval.
- Leveraged Docker and Kubernetes for containerization, efficiently managing resources and workload distribution.

## Solution Highlights

- Streamlined API integration, ensuring consistent data retrieval and processing.
- Optimized data storage and retrieval, improving platform responsiveness.
- Allowed the platform to scale resources dynamically, ensuring optimal performance and reliability even in high traffic conditions.

## Tech Stack



express

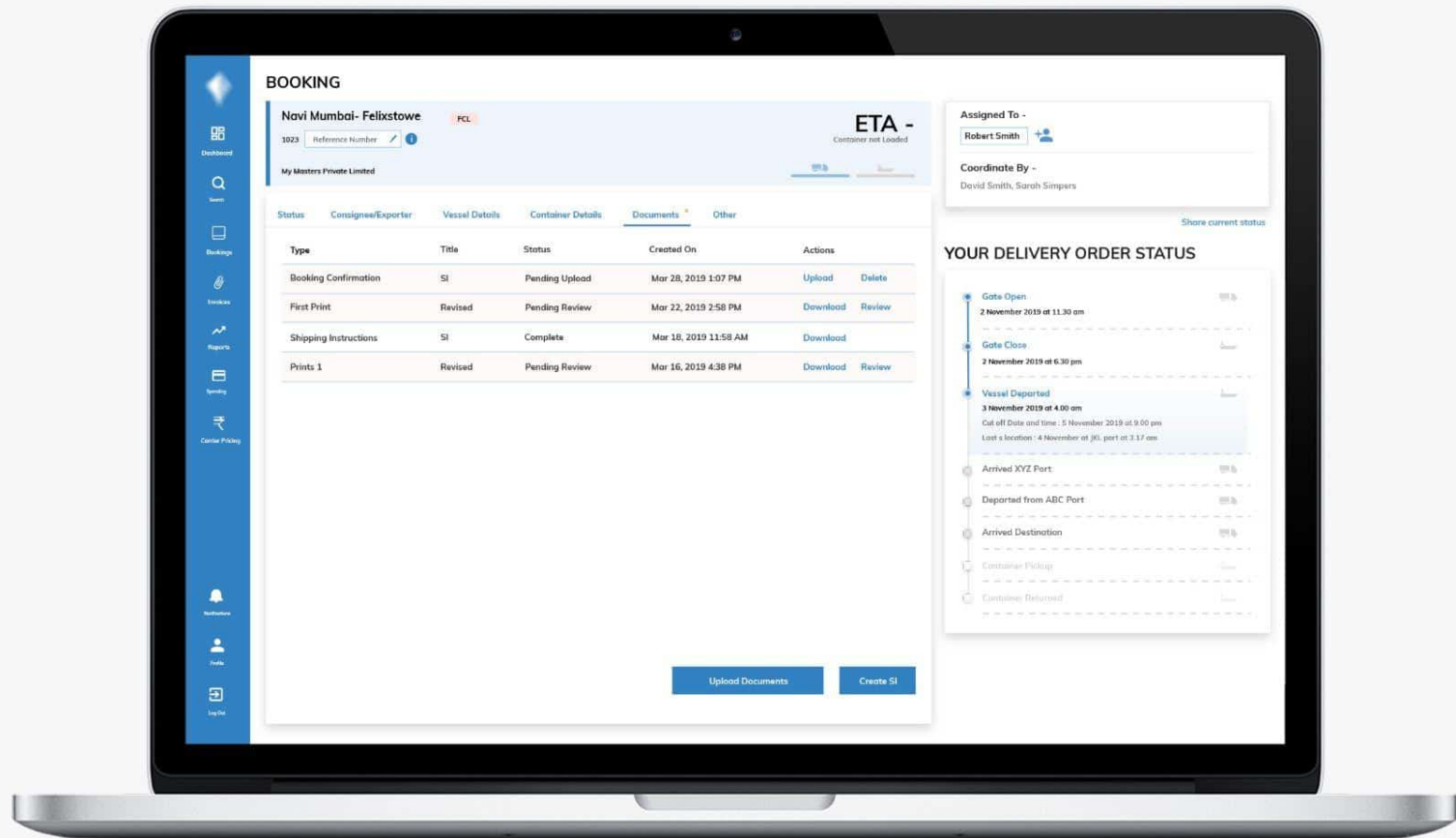


Linux



jQuery  
write less, do more.





## BOOKING

Navi Mumbai- Felixstowe

PCL

ETA -

Container not Loaded

1023  Reference Number

My Masters Private Limited

Status Consignee/Exporter Vessel Details Container Details Documents Other

Type	Title	Status	Created On	Actions	
Booking Confirmation	SI	Pending Upload	Mar 28, 2019 1:07 PM	<a href="#">Upload</a>	<a href="#">Delete</a>
First Print	Revised	Pending Review	Mar 22, 2019 2:58 PM	<a href="#">Download</a>	<a href="#">Review</a>
Shipping Instructions	SI	Complete	Mar 18, 2019 11:58 AM	<a href="#">Download</a>	
Prints 1	Revised	Pending Review	Mar 16, 2019 4:38 PM	<a href="#">Download</a>	<a href="#">Review</a>

Assigned To -

Robert Smith

Coordinate By -

David Smith, Sarah Simpers

[Share current status](#)

## YOUR DELIVERY ORDER STATUS

	Gate Open	
	2 November 2019 at 11:30 am	
	Gate Close	
	2 November 2019 at 6:30 pm	
	Vessel Departed	
	3 November 2019 at 4:00 am	
	Cut off Date and time : 5 November 2019 at 9:00 pm	
	Last s location : 4 November at jku port at 3:17 am	
	Arrived XYZ Port	
	Departed from ABC Port	
	Arrived Destination	
	Container Pickup	
	Container Returned	

[Upload Documents](#)

[Create SI](#)

# Warehousing



# Case Studies

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Warehousing

## Product for a Leading Logistics Solutions Provider in India

Developed a cutting-edge warehouse automation system by integrating RFID.

Automation

Data Analytics

AI

Machine learning

**99%**

**More Forecasting  
Demand**

**10X**

**Improved User  
Experience**

**50X**

**Better  
Decision-Making**

# Solutioning

## Challenges

- Absence of a well-defined automation system promotes human errors and increases administrative tasks.
- Lack of cohesive structure raises operations costs.
- Invisibility of real-time inventory levels.

## Technical Spotlight

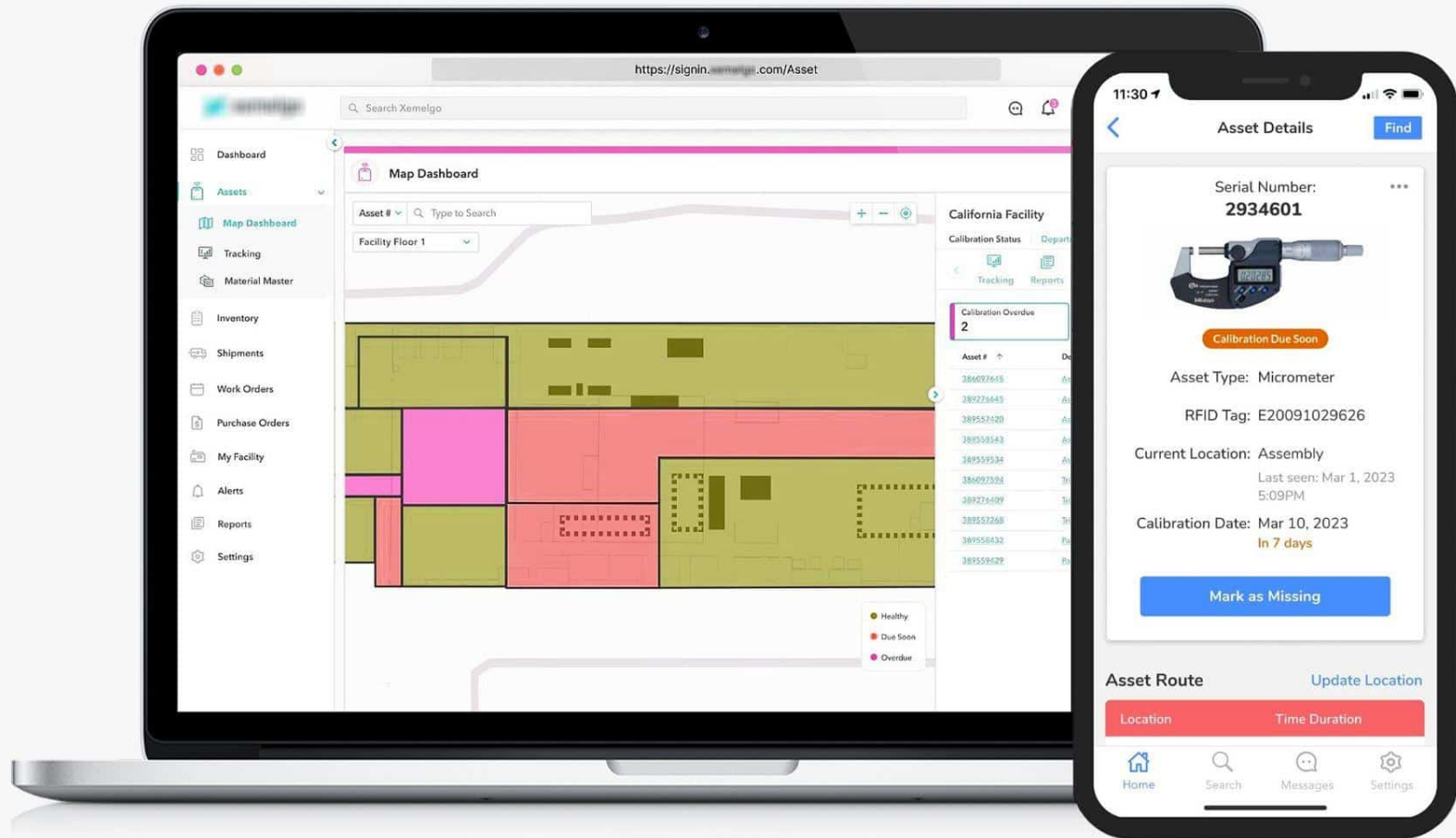
- Leveraged JavaScript framework for a dynamic and simplistic application with a rich interface.
- Integrated ThingMagic Sargas RFID Device using Node Socket Plugin.
- Used DataTables (a jQuery JavaScript library plug-in) for innovative features on the HTML table.

## Solution Highlights

- Ensured visibility of product details and facilitated mapping them in the designated sections.
- Produced a detailed description of spaces available in the warehouse and cycle count of total available products.
- Aided in monitoring labor management using key performance indicators and assessing workers performance.

Software Tech Stack





# Case Studies

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## A Global Sporting Goods Retailer

Streamlined warehousing operations through partner integration, product management, real-time stock updates.

Warehousing Optimization

Payment Integration

Real-time Updates

Third-party Integration

**6X**

**Improved Warehousing  
Efficiency**

**70%**

**Better Stock  
Management**

**100%**

**Secure  
Payments**

# Solutioning

## Challenges

- Ensuring the platform can handle a large volume of transactions and users as it expands globally.
- Providing timely updates on stock levels and order statuses across various marketplaces.
- Integrating seamlessly with diverse external marketplaces and payment gateways.

## Technical Spotlight

- Utilized Django's scalability features and modular architecture to handle increased traffic and data volume.
- Utilized Redis as a caching layer to store frequently accessed data, enabling real-time updates.
- Utilized Flask's lightweight framework to facilitate quick and seamless integration.

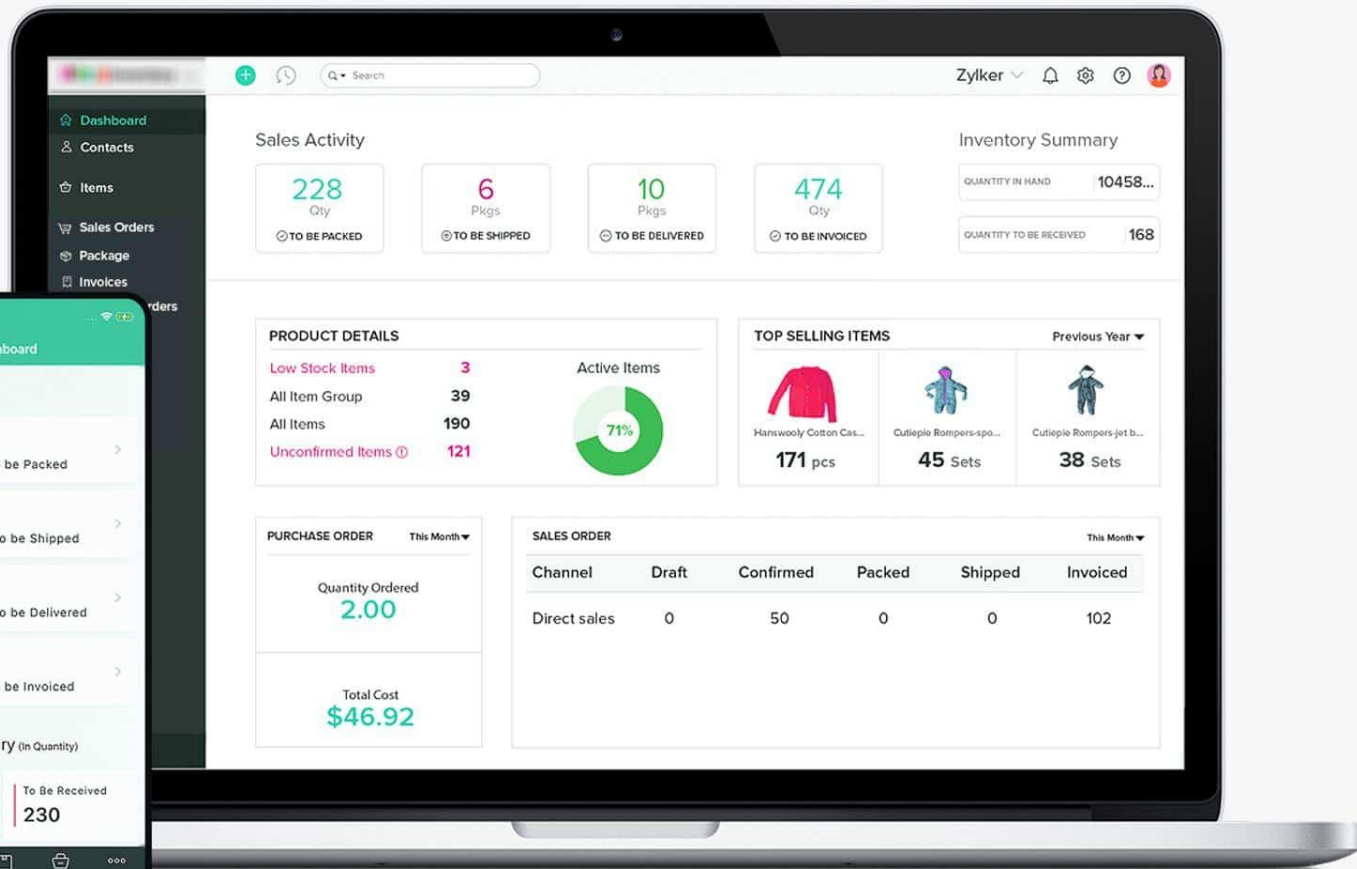
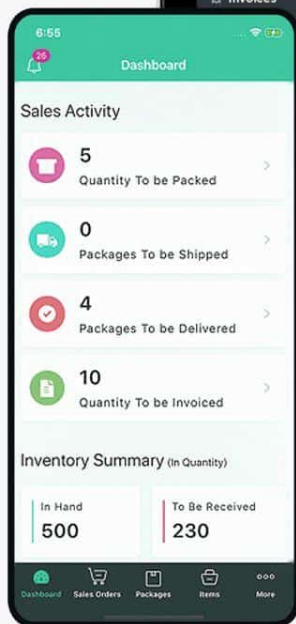
## Solution Highlights

- Enabled the platform to handle increased traffic efficiently, ensuring seamless expansion.
- Enhanced user experience by providing timely information.
- Enhanced platform functionality and user convenience.

## Tech Stack







# Case Studies

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Warehousing

## One of India's Leading Diversified Financial Services Conglomerates

Designed a comprehensive web application tailored for warehousing operations.

Warehousing Optimization

Quality Assessment

Data Visualization

Security

**3X**

**Streamlined  
Warehousing**

**80%**

**Automated  
Documentation**

**67%**

**Stronger Client  
Communication**

# Solutioning

## Challenges

- Ensuring the system can seamlessly accommodate increasing loads and data volumes.
- Designing an intuitive and user-friendly interface that meets user expectations and enhances overall usability.
- Managing complex data relationships, transactions, and ensuring data integrity throughout the system.

## Technical Spotlight

- Utilized Windows Server for hosting and MS SQL 2012 for database management.
- Leveraged CSS3, HTML5, and Razor Engine - MVC for front-end development.
- Utilized MS Entity Framework for ORM to simplify data modeling and management tasks.

## Solution Highlights

- Ensured the system can seamlessly handle increasing loads while maintaining optimal performance.
- Created visually appealing and responsive UIs, enhancing usability.
- Ensured efficient data modeling, management, and integrity, reducing complexities and enhancing system reliability.

## Tech Stack



# Supply Chain Warehouse Management Dashboard

Warehouse

Warehouse 1, Warehouse 2, Warehouse 3, Warehouse 4, Warehouse 5

Date

11/11/2019 - 2/3/2020

Percentage of out of st...

13.33%

Out of Stock | In Stock  
2 | 15

Return Rate

2.17%

Returned Units | Total Units  
124 | 5,717

Back Order Rate

11.11%

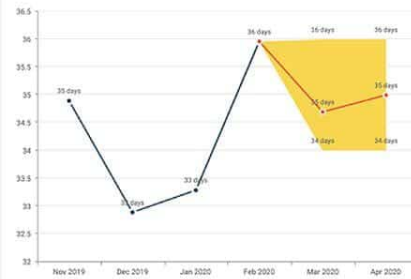
Back Orders | Total Orders  
10 | 90

Inventory Carrying Cost



Storage Cost Handling Cost Administrative cost Damage Loss

Inventory Days of Supply



Filters Overview

Inventory Carrying Rate



Inventory Turn Over



Inventory To Sales Ratio



Product Stock Details

Product	Date	Units In Hand	Units On Order
Aniseed Syrup	02/12/2020	160 units ↓	171 units
Côte de Blaye	02/12/2020	336 units ↑	24 units
Escargots de Bourg...	02/12/2020	444 units ↑	14 units
Grandma's Boysenb...	02/12/2020	500 units ↑	74 units
Louisiana Hot Spic...	02/12/2020	360 units ↓	302 units
Perth Pasties	02/12/2020	205 units ↑	18 units
Schoggi Schokolade	02/12/2020	645 units ↑	30 units
Sir Rodney's Scones	02/12/2020	420 units ↑	36 units
Sirop d'érable	02/12/2020	589 units ↑	14 units
Tarte au sucre	02/12/2020	439 units ↑	12 units
Teatime Chocolate	02/12/2020	612 units ↑	48 units

# Case Studies

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Warehousing

## India's Largest Integrated Post-Harvest Solution Provider

Built a warehouse management system for efficient storage, billing, attendance tracking, and godown inspection.

Cloud Integration

Warehouse Optimization

Supply Chain Integration

Scalability

**75%**

**Improved Warehouse  
Operations**

**4X**

**Seamless Third-party  
Integration**

**5X**

**Improved Reporting,  
Analytics**

# Solutioning

## Challenges

- Reducing the difficulty in making calls across different domains due to security restrictions.
- Seamlessly integrating third-party components like DevExpress and DataTables.
- Managing and optimizing complex frontend components.

## Technical Spotlight

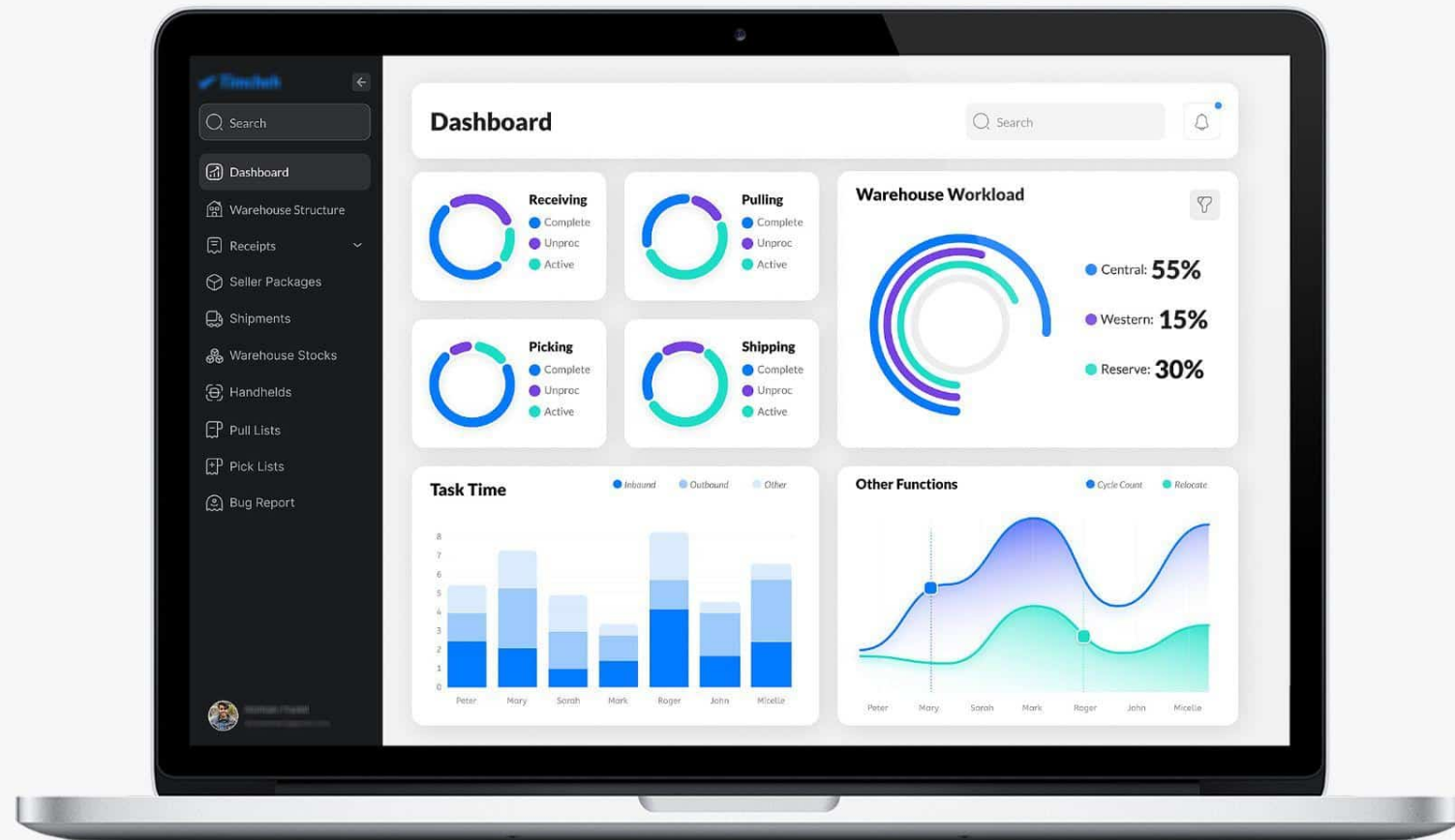
- Implemented a virtual user with appropriate rights to make cross-domain calls.
- Utilized APIs provided by third-party components like JQuery, DevTables, DataTables for seamless integration.
- Used DevExpress components for frontend development.

## Solution Highlights

- Allowed for seamless cross-domain calls, enhancing platform functionality and user experience.
- Streamlined integration, enhancing system functionality and usability.
- Simplifies frontend complexity, improving frontend performance and usability for end-users.

## Tech Stack





# Case Studies

AI and Analytics

CRM/ERP/Internal Systems

Customer Support

Inventory Management

Internet of Things (IoT)

Platforms

SAP

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Warehousing

## A Pioneering Indian Logistics Company

Built a warehouse management system to manage delivery and record shortage and damage claims.

Cross-platform Compatibility

Full Stack Development

Real-time Data Processing

**4X**

**Streamlined  
Operations**

**84%**

**Better Data  
Management**

**55%**

**Enhanced  
Mobility**



# Solutioning

## Challenges

- Ensuring seamless functionality across different operating systems and devices.
- Managing large volumes of data efficiently while maintaining data integrity.
- Synchronizing data in real-time across various platforms and devices.

## Technical Spotlight

- Utilized React Native to develop of a single codebase that can be deployed across iOS and Android platforms.
- Used PostgreSQL for advanced features to manage complex data structures efficiently.
- Leveraged Firestore for its real-time data synchronization capabilities.

## Solution Highlights

- Reduced development efforts, allowing developers to write code once and deploy it across platforms.
- Enabled efficient management of complex data structures.
- Ensured that users receive instant updates, leading to a more engaging and interactive user experience.

## Tech Stack



## Dashboard

30/12/2019 02:00 PM 30/01/2020 02:00 PM

Apply Filter

Clear



0

SCHEDULED TRIPS



26

RUNNING TRIPS



72

COMPLETED TRIPS



Origin

Destination

Select Origin

Select Destination

Apply Filter

Clear

CSV

Vehicle Number	Origin	Destination	Driver Name/Number	TAT	Transient Status	Delay Duration	Started At	Customer Ref. Number
NL01AC3831	Jaipur (JAID)	Manesar (DELU)	HASANDRIVER/9888797634	7 Hours	Delayed	11 hrs, 54 mins	29/01/2020 08:51 PM	NA
NL01AB6884	Sonapat (DELV)	test location	Ismail Driver/9306476586	500 Hours	On Schedule	NA	29/01/2020 07:32 PM	NA
HR55AD9404	Jaipur (JAID)	Manesar (DELU)	SATISH/6397206591	7 Hours	NA	NA	28/01/2020 01:25 PM	NA
HR55AD5268	Jaipur (JAID)	Manesar (DELU)	MOHD GULAB/9416963734	7 Hours	NA	NA	28/01/2020 12:51 PM	NA
HV23F56790	Jamalpur (NCRX)	Manesar (DELU)	NARESH CHANDRA DRIVER/70076...	56 Hours	NA	NA	27/01/2020 05:53 PM	NA
HR55Y0655	MAGNUM TOWERS	Ghaziabad	ASHRUDDIN DRIVER/8396068803	8 Hours	Delayed	83 hrs, 25 mins	27/01/2020 04:40 PM	NA

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22+  
Industries

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