

A woman is seated in the driver's seat of a car, holding a smartphone. The car's interior is visible, including the steering wheel and a large infotainment screen. Overlaid on the image are various futuristic digital elements: a blue circular radar-like graphic around the phone, a blue waveform graphic, and a blue circular graphic with the text 'Autopilot mode' and '48 km/h' on the right side. The background is a blurred city street.

# NeoSOFT®

Capabilities

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## Revolutionizing Digital Breakthroughs In The Automotive Industry

# 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

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ISO

20000-1:2011  
IT Management

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ISO

22301:2012  
Business Continuity  
Management

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# What We Do

## Team Augmentation

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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

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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

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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

The background of the slide is black. On the right side, there are several thin, red, curved lines that sweep upwards and outwards, creating a sense of motion or flow. These lines are concentrated on the right half of the slide, leaving the left half mostly black.

# A Multinational Automotive Manufacturing Leader

Created an after sales support mobile application for exclusive customers.

API Integration

CRM

UI/UX

Digital Transformation

## Outcomes

### Improved Customer Satisfaction

- Helped deliver better customer care, which resulted in improved customer satisfaction. Customers utilized the app to rapidly report problems, seek assistance, and get updates on the status of their requests.

### Intuitive User Interface

- A visually appealing and highly comprehensible interface with real-time push notifications and features for customers.

### Improved Load Time

- Reduced the amount of time it takes an application to fully load and became interactive for the user, considerably enhancing the user experience and increasing user engagement.

# Solutioning

## Challenges

- Difficult to track and analyze customer interactions, which can make it harder to identify areas for improvement and optimize support operations.
- Customers may not receive the level of support they expect, which can lead to reduced customer satisfaction and loyalty.
- Difficult to manage customer inquiries, especially if they come from multiple channels such as email, phone, and social media.

## Technical Spotlight

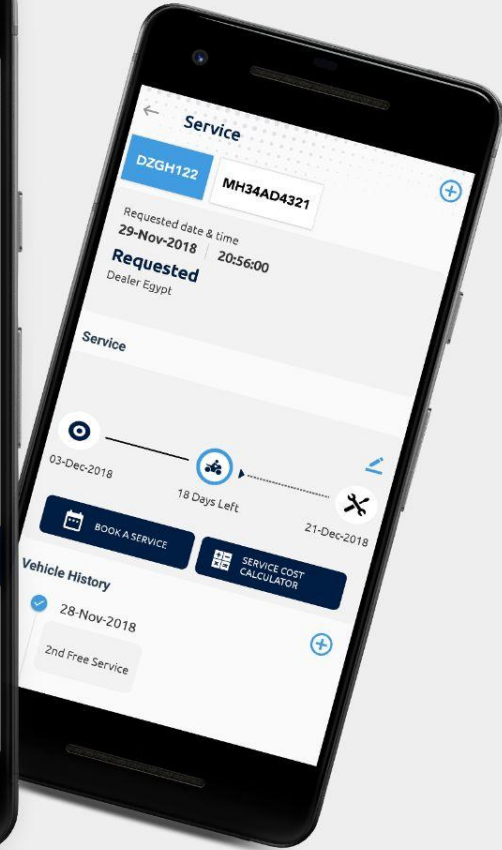
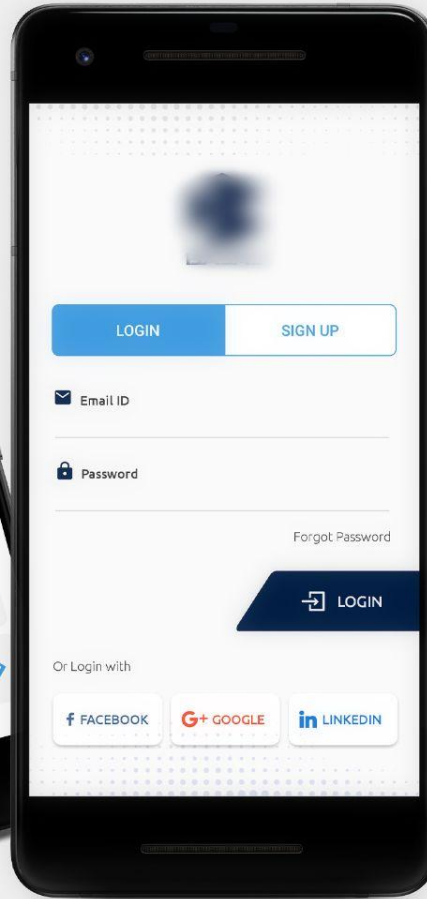
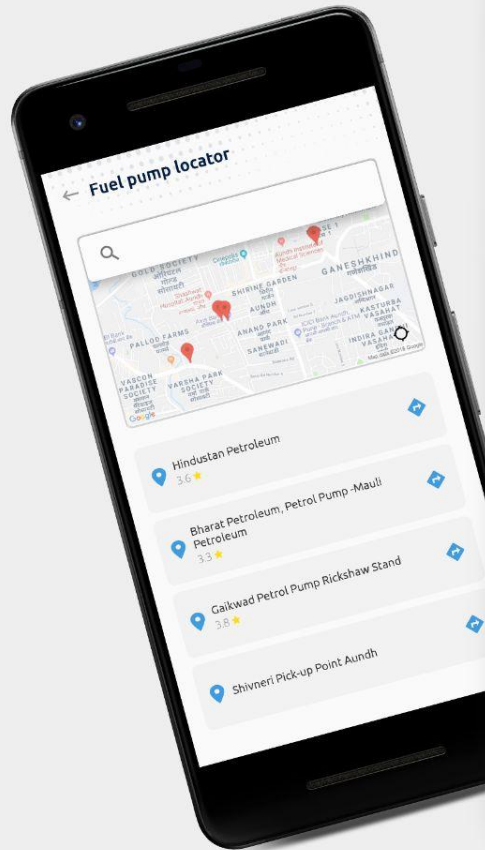
- JavaScript was used to facilitate cross-platform application development, reducing development time and cost while encouraging quicker and more efficient implementation.
- Leveraged React Native to build new-age cross-platform applications, and mobile-ready progressive web apps.
- Utilized TypeScript – a strongly-typed superset of JavaScript that includes static type checking, allowing developers to identify problems before the code is generated and deployed.

## Solution Highlights

- Many customer support applications provide analytics and reporting features, enabling business to track and analyze customer interactions and identify areas for improvement.
- With an after sales support application, business can provide a high level of support to customers, improving satisfaction and loyalty.
- Used automation to help business manage customer inquiries more efficiently, reducing response times and improving the overall customer experience.







# Largest Manufacturer And Exporter Of Motor Vehicles In France

Engineered a Geo-Specific & Dynamic CMS + Web application

Localization

API Integration

UI/UX

ePayment

## Outcomes

### Enhanced Visibility

- Established a strong website and social media content into different languages, adapting design and branding to local cultural norms, and providing region-specific customer support.

### Data Collection

- Collected customer data which can be used to improve marketing strategies and enhance customer experience.

### User Adoption

- Excellent user experience paired with intuitive features and no irregularities renders this platform the most preferred, resulting in rapid user adoption.

# Solutioning

## Challenges

- The client desired to be able to attract new customers and expand its market reach.
- Lack of ability to showcase its products, services, and other information that can be helpful for customers. Without a website, customers may have a limited understanding of the company's offerings and capabilities.
- Absence of an effective and dynamic UI/UX design.

## Technical Spotlight

- Leveraged PHP to design dynamic and responsive modules.
- Experienced improved scalability for secure data storage with MySQL.
- Employed a third-party payment gateway such as Ipay88 to make safe and seamless transactions.

## Solution Highlights

- Integrated interactive features, such as live chat, social media integration, and contact forms.
- Developed an interactive and user-friendly website for seamless user experience.
- Created a BI dashboard where customers can buy subscriptions, browse various automobiles, generate reports, make payments, etc.

### Tech Stack





# One Of The Biggest And Long-standing Names In Motorcycle Manufacturer

Built a dynamic web application that runs an AI engine to serve dynamic and personalized offers

Front End Engineering

Database Management

UI/UX

Modernization

## Outcomes

### Boosted Customer Engagement

- Provided a platform for a to interact with users and build relationships through features such as chatbots, contact forms, feedback, and social media integration thus boosting customer engagement.

### Increased Brand Awareness

- Increased brand awareness among potential customers by showcasing products and highlighting unique selling points, which increased their visibility and helped reach a wider audience.

### Increased User Experience

- Instituting a dynamic and intuitive design improved user experience and satisfaction.



# Solutioning

## Challenges

- Difficult to navigate the site or understand the content, which can lead to frustration and lower engagement.
- Absence of an effective and dynamic UI/UX design.
- Lack of ability to incorporate multiple plugin within the website.

## Technical Spotlight

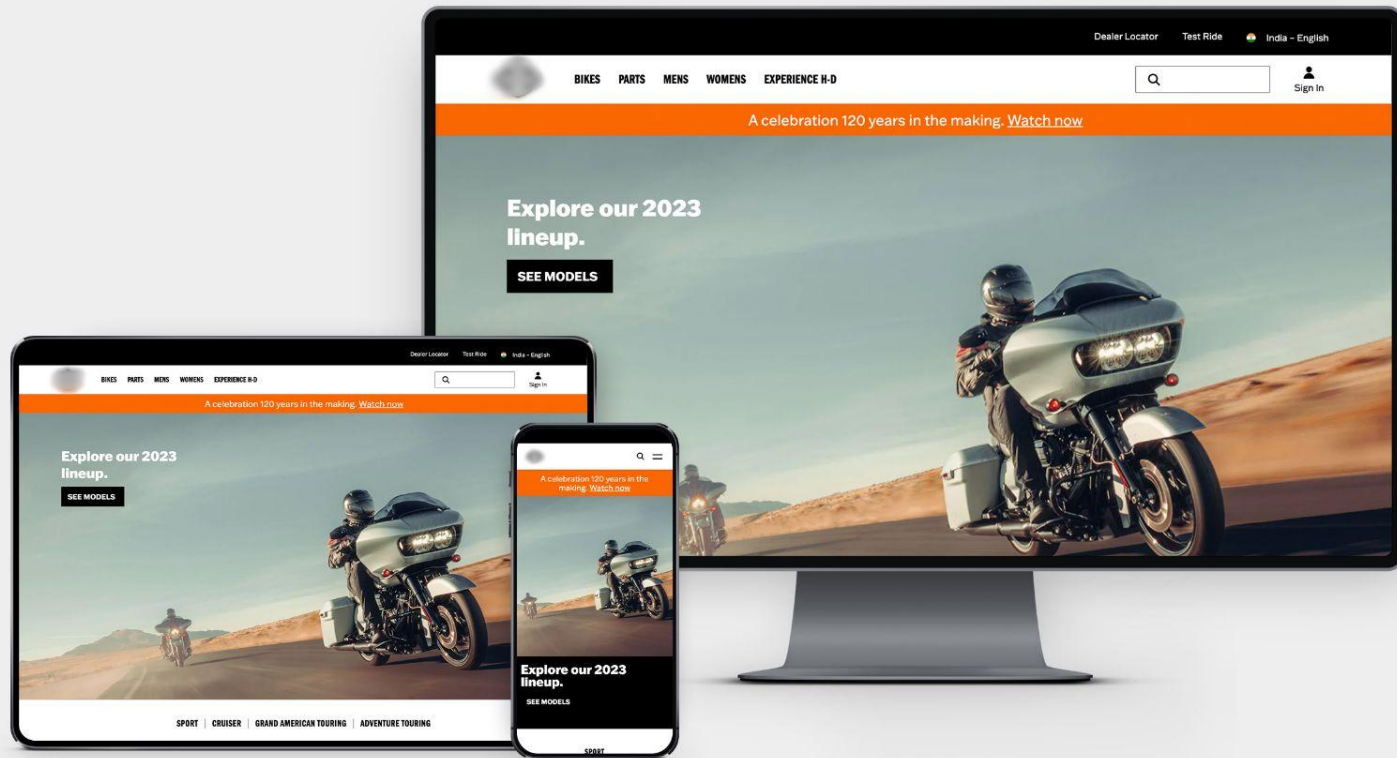
- PHP was used to create dynamic and responsive modules.
- Leveraged WordPress for its flexibility and user-friendly platform that can be customized to suit various needs and preferences.
- Utilized jQuery - a powerful and flexible library that can be used to enhance the functionality and interactivity of web pages, while also offering benefits such as cross-browser compatibility, extensibility, animation effects, etc.

## Solution Highlights

- A visually appealing website with a high-quality design that is visually engaging, easy to navigate, and visually consistent across all pages.
- Quick load time to avoid frustrating visitors and losing potential customers.
- Integrated interactive elements such as menus, dropdowns, forms, and chatbots to engage visitors and make a website more dynamic and responsive.

Tech Stack





# A Leading Japanese Car Manufacturer

Developed a robust and dynamic mobile application that featured a diverse range of manufactured products.

Analytics

Database Management

UI/UX

Native App Development

## Outcomes

### Increased Sales

- The application ensured a seamless information flow and user journey to make it easier for them to make buying decisions.

### Customer Engagement & Loyalty

- Offered customers convenient access to information about cars and services, as well as provide personalized recommendations, promotions, and loyalty rewards.

### Data Analytics

- Collected valuable data on customer behavior and preferences, which can be used to improve marketing strategies, product development, and customer support.

# Solutioning

## Challenges

- The client wanted to provide unlimited convenience to the customers by creating a robust mobile application to browse for cars.
- Lack of personalized recommendations and offers based on customer preferences and behavior.
- Absence of a Intuitive UI/UX design.

## Technical Spotlight

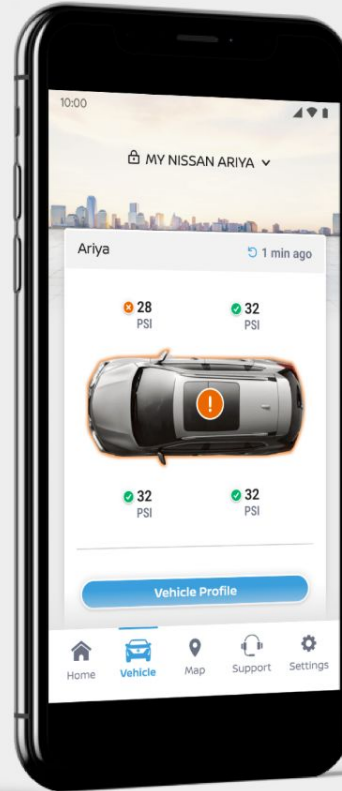
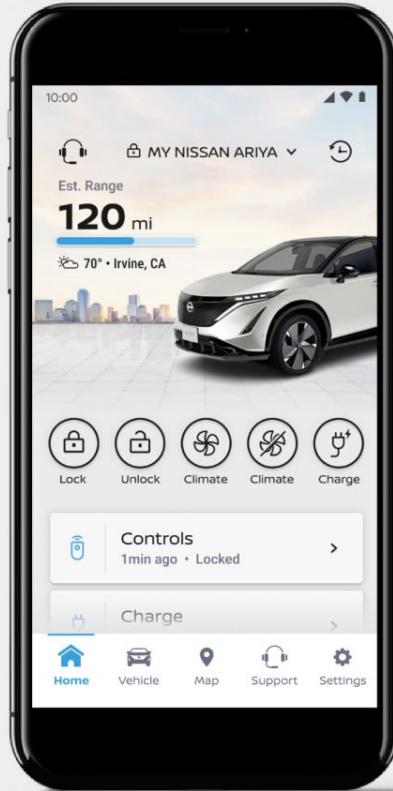
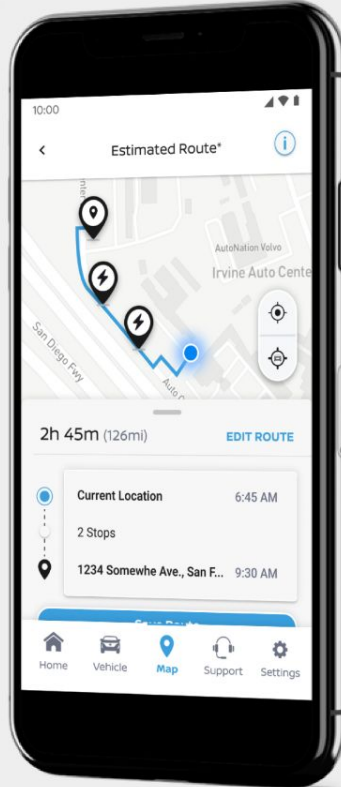
- Leveraged Android to create a powerful platform to create innovative and engaging application.
- SQLite is a popular open-source relational database management system that is used for storing, managing, and manipulating structured data.
- Integrated Google Maps - a third-party map plugin to help locate the nearest the dealership.

## Solution Highlights

- Integrated a location API to find the nearest showroom dealership based on the user's GPS location.
- Implemented savvy features such as browsing the image gallery, chatbots, comparing different car models, and much more.
- Provided a convenient and personalized experience for customers, allowing them to browse inventory, schedule test drives, and make purchases directly from their mobile devices.

## Tech Stack







# An Indian Multinational Conglomerate That Operates In Over 100 Countries

Engineered a comprehensive dealer management system that works at a global scale

Analytics

Front End Engineering

UI/UX

Cloud Computing

## Outcomes

### Better Team Collaboration

- Improved collaboration and communication among teams, helping to break down silos and ensure that everyone is working towards the same goals.

### Faster Load Time

- Faster load time resulted in increased customer engagement and satisfaction.

### Enhanced User Experience

- An aesthetically pleasing and easily comprehensible UI with real-time push alerts and intuitive features.

# Solutioning

## Challenges

- Difficult to understand customer behavior and preferences, and to provide personalized experiences.
- Time-consuming and error-prone, and may result in missed opportunities.
- Struggle to keep track of customer communication, leading to missed follow-ups, miscommunications, and a poor customer experience.

## Technical Spotlight

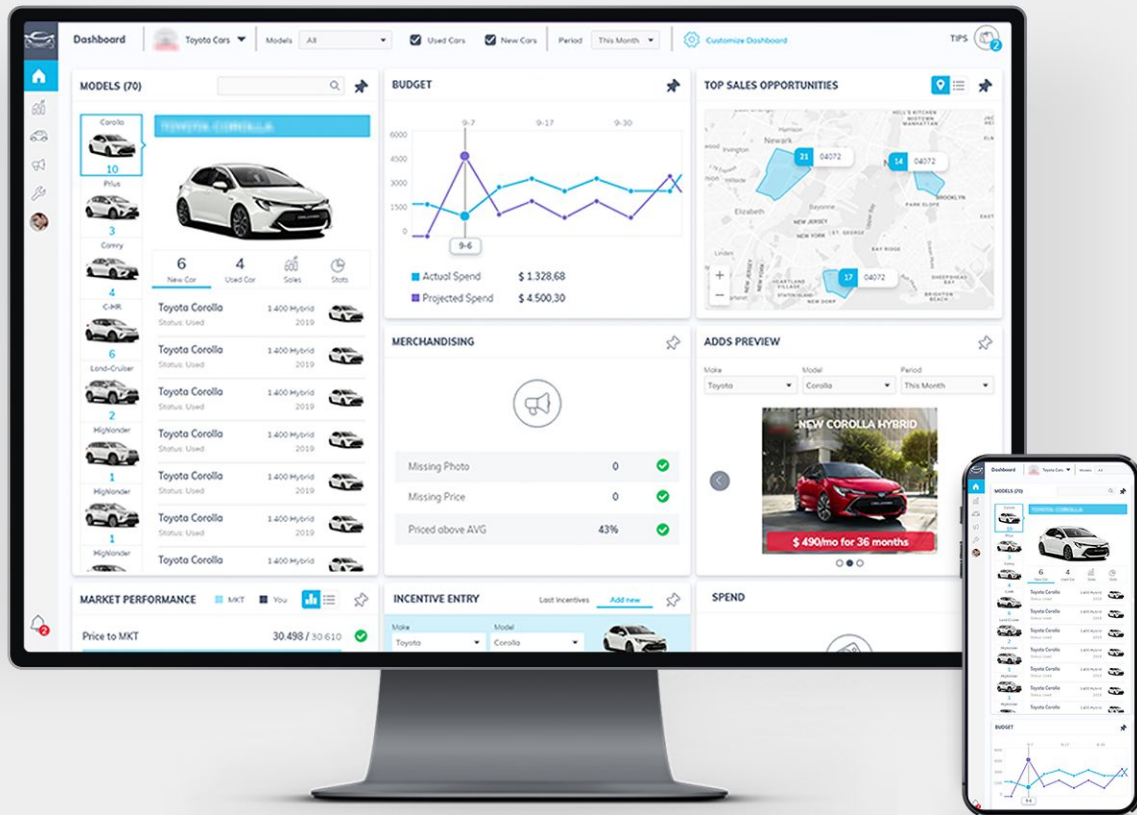
- An intuitive website design model for end users with the help of HTML5 and CSS.
- Leveraged Angular to build new-age cross-platform application that is easy, quick and affordable.
- Leveraged MS SQL server for better data resiliency while storing data.

## Solution Highlights

- Data is accurate and up-to-date, reducing the risk of errors and inconsistencies.
- Provided a 360-degree view of the customer, including their purchase history, preferences, and behavior. This helped to better understand customer needs and provide personalized experiences.
- Automate and streamline sales processes, from lead generation to closing a deal. This help sales teams to work more efficiently and effectively, and to better manage their pipelines.

## Tech Stack





# A Renowned German Manufacturer Specializing In Luxury Cars And SUVs

Designed a comprehensive website to showcase dynamic automobiles.

Database Management

UI/UX

Cloud Computing

## Outcomes

### Database Management

- Built a comprehensive and extensive database that stores information about both existing and past-made Porsche Cars.

### Streamlined Access

- By providing an API to other platforms like Car-wala and Car-dekho, the project enables seamless access to the database.

### Business Growth

- Facilitated innovation, efficiency, and improved customer experiences, driving overall industry development.

# Solutioning

## Challenges

- Integrating and synchronizing data from various third-party APIs due to differences in data formats, authentication methods, and API limitations.
- Collecting and consolidating data from different sources to build a comprehensive database.
- Developing a well-designed API that securely relays the database information.

## Technical Spotlight

- Improved overall performance and responsiveness of web application using HTML5.
- Leveraged CSS to improve the overall aesthetics and user experience.
- MySQL 5.0 modularized code, improved security, and enhanced performance by reducing network traffic between the application and the database server.

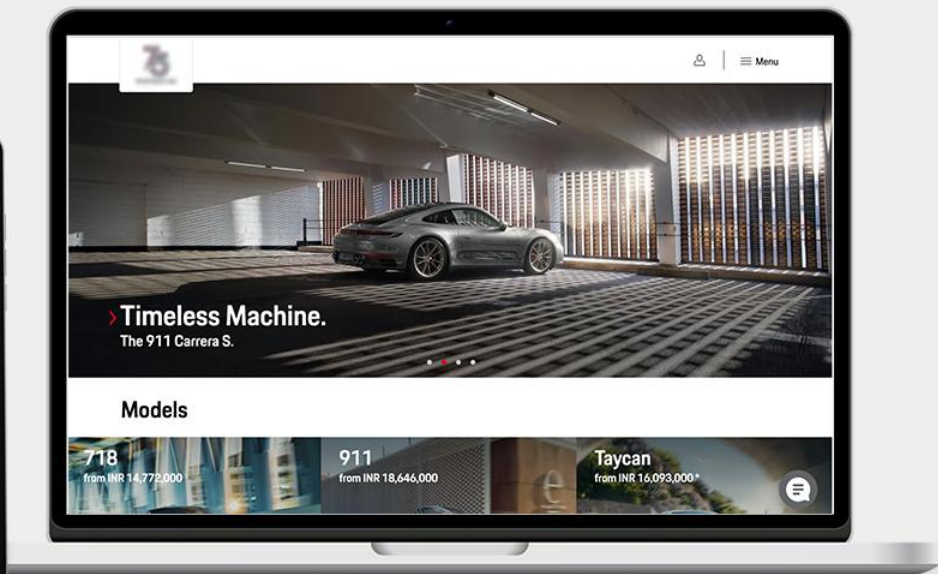
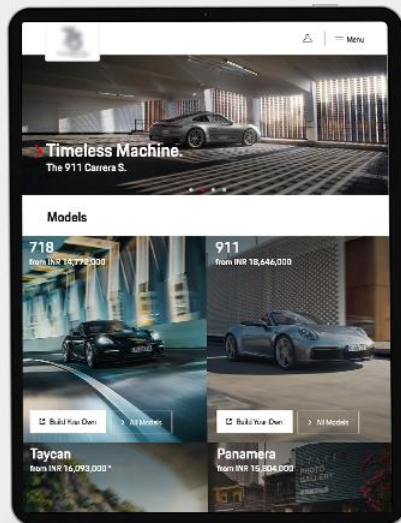
## Solution Highlights

- Implemented robust integration mechanisms and mapping data structures between different third-party APIs and the database to ensure seamless data retrieval and synchronization.
- Implementing proper database indexing, query optimization techniques, and scalable architecture to handle immense data.
- Implemented industry-standard security measures such as authentication, authorization, and encryption to safeguard the API and the sensitive data being shared.

## Tech Stack







# A Leading Fuel Delivery and Time-Saving Vehicle Service

Built a highly responsive platform for customers in the middle-east to access products at any location.

Secure Payment Gateway

CX

Geolocation

## Outcomes

### Secure and Convenient Payments

- Online payments through trusted payment gateways provide a seamless and hassle-free transaction experience.

### Enhanced User Experience

- A seamless user experience with intuitive navigation, clear information, and easy-to-use fuel ordering functionalities.

### Accurate Geolocation

- Helped customers have visibility of the current location and estimated arrival time of the fuel delivery vehicle.

# Solutioning

## Challenges

- Managing a growing user base and meeting increasing demand for fuel delivery services.
- Optimizing fuel delivery routes and scheduling to ensure efficient and timely service.
- Ensuring secure and convenient payment options for customers and managing billing processes.

## Technical Spotlight

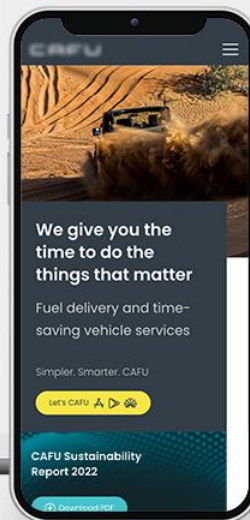
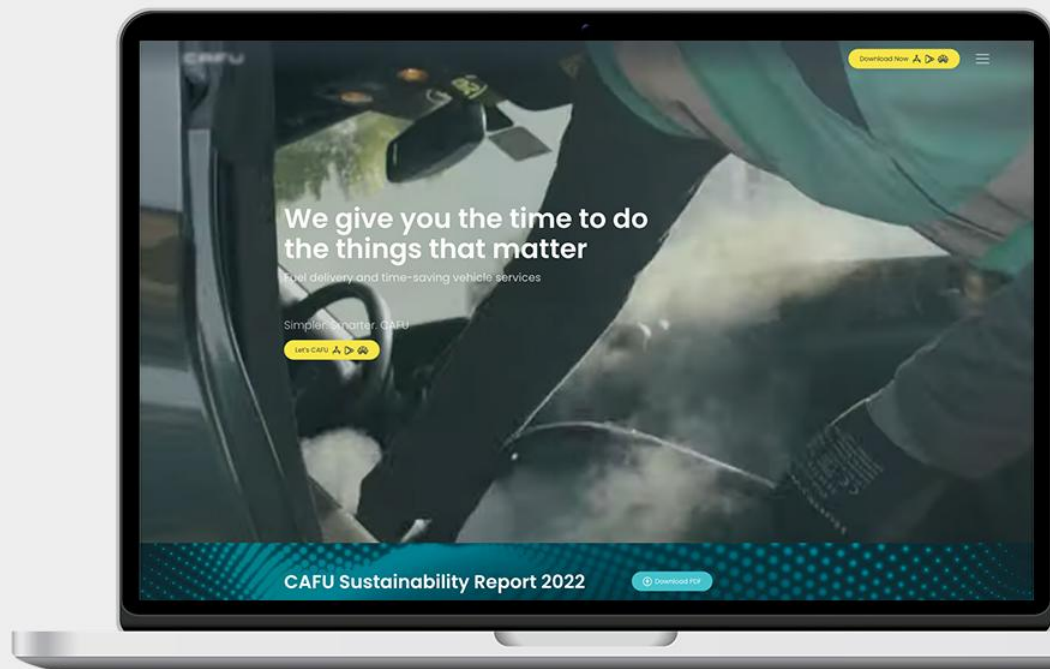
- Integrated multiple payment gateways to accept payment using UAE-issued Visa, MasterCard or AMEX debit or credit cards.
- Leveraged CSS framework for responsive design to accept and deliver orders without delay.
- Used Geolocation to determine the user's current location and provide accurate fuel delivery services based on their location.

## Solution Highlights

- Implemented a robust backend infrastructure that can scale horizontally to handle high volumes of requests.
- Utilized advanced routing algorithms and geolocation technologies to optimize delivery routes based on real-time traffic conditions and customer locations.
- Implemented a secure and automated billing system that generates accurate invoices and provides transparent transaction details to customers with multiple payment options.

## Tech Stack





# Unleashing Innovation and Performance in the Automotive Industry

Built an automobile conglomerate to deliver a premium and exclusive driving experiences.

Customisation

UI/UX

Customer Support

## Outcomes

### Enhanced Customisation

- Specialized customization options to tailor vehicles to individual preferences.

### Database Management

- An extensive well segregated database ensures better user experience.

### Exceptional Customer Support

- Professional and knowledgeable sales team offering personalized customer service.

# Solutioning

## Challenges

- Managing a diverse range of luxury and exotic cars including updating vehicle details, availability, and specifications in real-time.
- Ensuring fast loading times, smooth navigation, and responsiveness, even with a large number of high-resolution vehicle images and data.
- Managing a high volume of quote requests while maintaining a quick response time and personalized service.

## Technical Spotlight

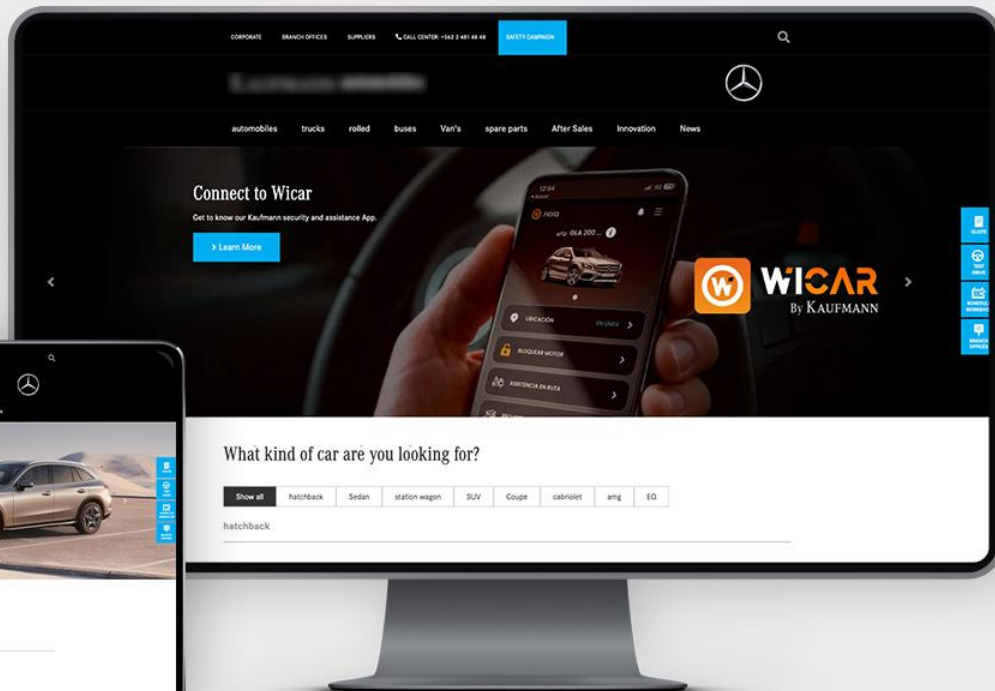
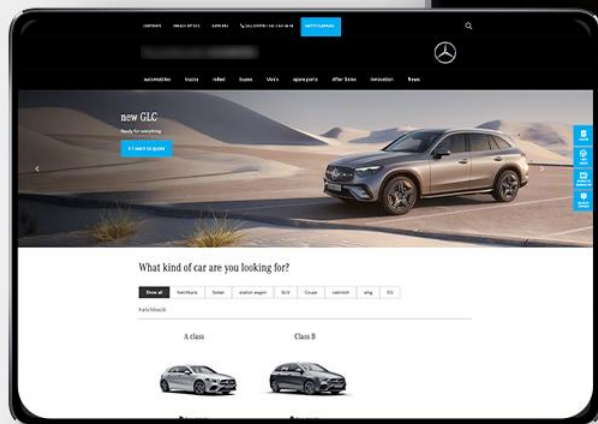
- Leveraged SAP APAB for efficient data management and synchronization to ensure an updated database.
- Implemented SAP Spartacus for greater flexibility in designing and delivering unique user experiences.
- Leveraged SAP Hybris to handle large product catalogs, complex pricing structures, and high transaction volumes.

## Solution Highlights

- Implemented a robust backend system to manage the inventory, ensuring accurate and real-time updates on vehicle availability and details.
- Optimized app performance by employing caching mechanisms, image optimization techniques, and code optimization.
- Developed an online quoting tool or application that allows customers to input their requirements and receive instant, accurate quotes.

## Tech Stack





# A Leading Automobile Distributor in the UAE

A comprehensive solution to streamline operations and deliver a seamless customer experience.

Order Management

Cx

Payment Gateway

## Outcomes

### Streamlined Order Processing

- Enabled smooth handling of customer orders, from initial placement to fulfillment and delivery, ensuring timely and accurate order processing.

### Convenient Online Payments

- Offered customers secure and convenient payment options, leading to increased trust, higher conversion rates, and a smoother checkout process.

### Efficient Content Management

- Efficient management and updation of digital content across various platforms ensured consistent and engaging information for customers.



# Solutioning

## Challenges

- Efficiently handling the entire order lifecycle, including order processing, inventory management, and fulfillment.
- Integrating and maintaining a secure online payment gateway.
- Effectively managing and updating digital content across various platforms.

## Technical Spotlight

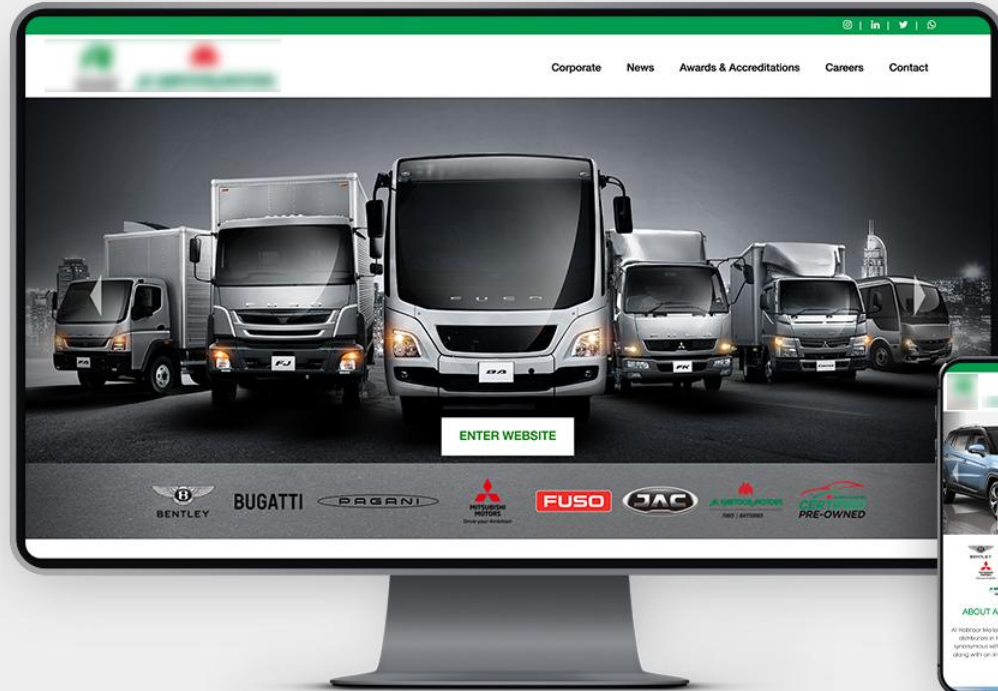
- Leveraged PHP for efficient management of vehicle inventories, customer data, and other dynamic content on the website.
- Used MYSQL 5 for user authentication, access control, and encryption mechanisms, safeguarding the automobile website's data from unauthorized access and ensuring compliance with data protection regulations.

## Solution Highlights

- Utilized order mgt. systems that automated processes, integrated with inventory management, provided real-time order tracking, and offered analytics to streamline order fulfillment.
- Implemented encryption and fraud prevention measures to facilitate secure and seamless online transactions.
- Implemented an advanced CMS to streamline content creation, updates, and distribution processes, ensuring consistency and engaging experiences for customers.

Tech Stack





# A Fortune 500 Automotive Manufacturing Company

An all-inclusive mobile platform offering a wide range of services and information.

Multi-platform Availability

CX

Customer Engagement

## Outcomes

### Cross-platform compatibility

- Developed for both Android and iOS platforms, it ensures wide reach and accessibility.

### Smooth User Experience

- Prioritized user-friendliness to provide an intuitive interface and smooth navigation leading to a seamless user experience.

### Enhanced Customer Interaction

- Fostered active engagement and communication between the app and its customers, creating a stronger connection by addressing their needs effectively.

# Solutioning

## Challenges

- Ensuring consistent functionality and performance across different versions of Android and iOS platforms.
- Designing features that can capture and retain the customers' attention.
- Optimizing the mobile application's performance to deal with limited network connectivity and varying device specifications.

## Technical Spotlight

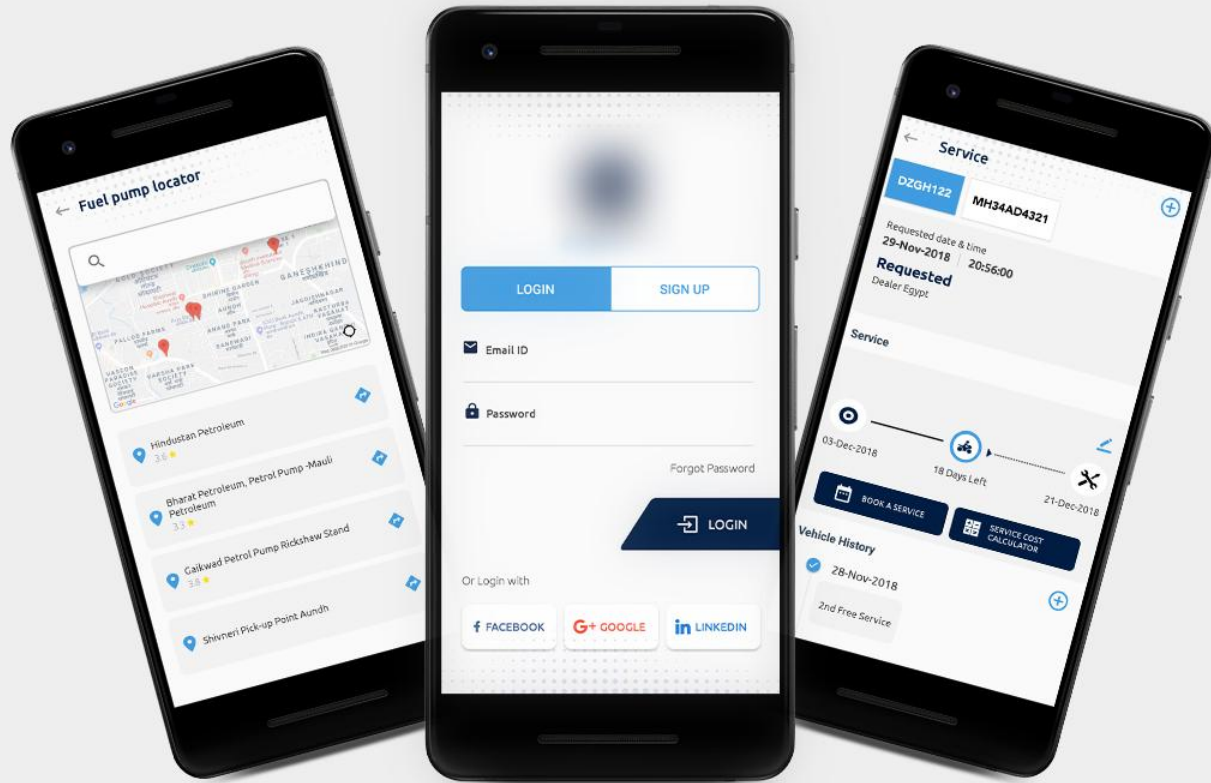
- Utilized React Native to ensure consistent functionality and performance across Android and iOS platforms.
- Implemented Google API to show nearby gas station, police station, hospital, etc.

## Solution Highlights

- Ensured smooth functioning on multiple platforms resulting in enhancing customer accessibility.
- Designed features and incentives to engage and retain users, such as rewards, referral programs, and interactive content, in order to ensure long-term usage of the application.
- Implemented techniques like code optimization, caching, and efficient network communication to enhance the performance and responsiveness of the application.

## Tech Stack





# An Indian Multinational Automotive Manufacturing Company

Designed a One-Stop Solution for Enhanced Bike Ownership Experience

Chatbot Integration

Geolocation

Customer Support

## Outcomes

### AI-powered assistant integration

- Incorporate an intelligent chatbot within the application to assist users with queries, provide instant support, and deliver personalized recommendations.

### Accurate Geolocation

- Enabled Geolocation to locate nearby dealerships to provide users with easy access to sales, service, and support facilities.

### Improved Customer Care

- Provided a dedicated customer support feature within the app, allowing users to access assistance, resolve issues, and seek guidance from the support teams.

# Solutioning

## Challenges

- Ensuring accurate validation of vehicle registration and chassis numbers while adding a vehicle in the mobile application.
- Showing nearby dealers based on user location, providing navigation options, and displaying contact details and ratings.
- Enabling secure and convenient online payments for services.

## Technical Spotlight

- Integrated JavaScript for real-time validation of input fields, providing instant feedback to users regarding the accuracy of their entered vehicle registration and chassis numbers.
- Leveraged Google API for its geolocation capabilities to deliver personalized experiences to users based on their current location.
- Leveraged CCAvenue for robust security measures, including encryption and fraud prevention, to ensure secure payment transactions.

## Solution Highlights

- Implement robust validation algorithms to verify registration and chassis numbers, utilizing mobile number validation for added security.
- Utilize geolocation services to identify nearby dealerships, integrate map functionality for navigation, and display dealer contact details and ratings.
- Implement a secure webview integration with CCAvenue payment gateway, ensuring a seamless payment experience for customers.

## Tech Stack



← Free Service Coupons



**1<sup>ST</sup> FREE SERVICING UTILIZED !**  
Used by 20 Sep - 30 Sep 2018  
Travelled by 1200 Km - 1500 Km  
MH12PJ3022  
Dominar D 400-ABS



**2<sup>ND</sup> FREE SERVICING XXXXXXXX**  
Used by 20 Sep - 30 Sep 2018  
Travelled by 1200 Km - 1500 Km  
MH12PJ3022  
Dominar D 400-ABS



**3<sup>RD</sup> FREE SERVICING XXXXXXXX**  
Used by 20 Jan - 30 Jan 2019  
Travelled by 2000 Km - 2200 Km  
MH12PJ3022  
Dominar D 400-ABS

10:30

Login Sign Up

Email ID/ Mobile Number  
rajwardhan@gmail.com

Password  
\*\*\*\*\*

Forgot Password


Or Login with

f FACEBOOK G+ GOOGLE in LINKEDIN

10:30


← Biker Community

580 Members



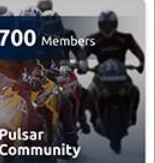
**Avenger Community**  
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580 Members



**Dominar Community**  
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700 Members



**Pulsar Community**  
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10:30

← Avenger Community


Avenger Community

Created by BAJAJ AUTO  
Active Avenger riding community

30 Members



Info Members Rides



10:30

← Owners Manual



**DOMINAR 400**  
Owner's Manual

Name : Mahesh Singh  
VIN : 2H2AX59EWDY987665

DOWNLOAD



# A Renowned Innovative German Automobile Manufacturer

A comprehensive automotive experience allowing users to calculate and make informed decisions.

AI Integration

Quotation

Database Management

## Outcomes

### 360 Degree Views

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- Users can explore BMW vehicles from every angle, inspecting the exterior design, interior features, and finer details, providing a comprehensive and immersive visual experience.

### Calculate EMI

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- Promoted transparency in the financing process, allowing users to understand the total cost of ownership and the financial commitment involved, including interest rates and loan tenure.

### Succinct Database

---

- Users can quickly retrieve important information about BMW vehicles, such as specifications, features, performance data, and pricing, providing a comprehensive overview of the available models.

# Solutioning

## Challenges

- Ensuring accurate and up-to-date financial information, service costs, and car details for EMI calculation and service estimation.
- Capturing and rendering high-quality 360-degree views of vehicles in real-time.
- Coordinating test drive bookings, availability, and managing customer preferences and schedules.

## Technical Spotlight

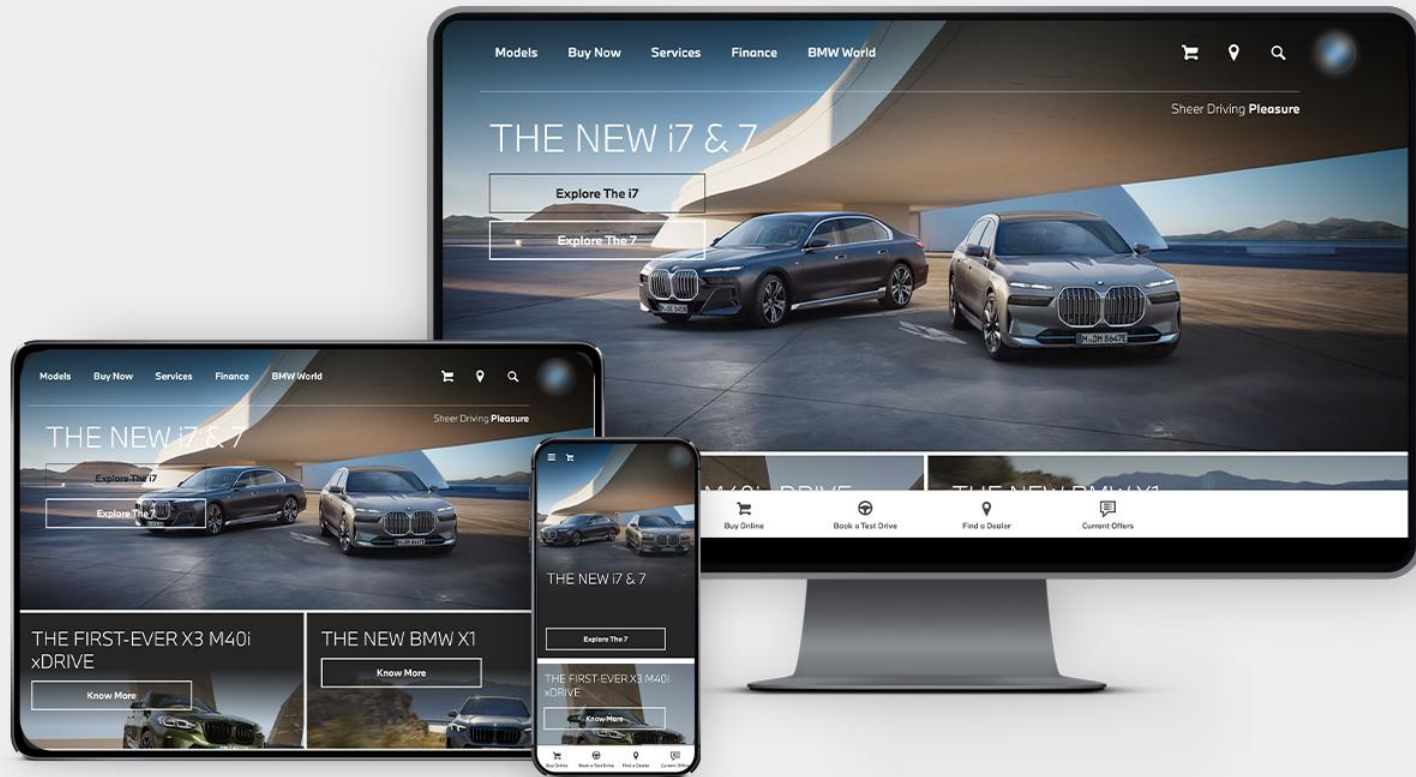
- Leveraged Drupal 8 for its scalability and performance capabilities, making it suitable for handling high traffic and data-intensive features.
- Utilized PHP to perform tasks such as EMI calculation, service estimation efficiently and provide accurate results.
- Integrates MySQL5 seamlessly with PHP, allowing smooth interaction between the backend and frontend components.

## Solution Highlights

- Implemented validation mechanisms to ensure that user-provided data for EMI calculation and service estimation is accurate and within valid ranges.
- Utilized advanced image processing algorithms and technologies to capture and render high-quality 360-degree views of vehicles.
- Implement a management system that allows customers to book test drives, check availability, and coordinate with dealerships seamlessly.

## Tech Stack





# A Pioneer In-Vehicle Media Solution

Designed a platform to enable users to integrate their digital lives with their vehicles.

AI Integration

Quotation

Database Management

## Outcomes

### Seamless Device Connectivity

- Integrated Bluetooth connectivity so drivers and passengers can wirelessly connect their smartphones or other Bluetooth-enabled devices to the vehicle's infotainment system.

### Uninterrupted Media Access

- The offline connectivity support enables users to enjoy uninterrupted access to their favorite media content even when they are in areas with limited or no internet connectivity.

### Effortless Music Search

- Ensured a seamless and enjoyable music experience, enhancing convenience and satisfaction for users.

# Solutioning

## Challenges

- Ensuring seamless and reliable Bluetooth connectivity with potential issues like connection drops or pairing difficulties.
- Achieving compatibility with popular music apps due to different APIs, authentication methods, and data formats.
- Providing offline connectivity support for uninterrupted music playback and access to media content

## Technical Spotlight

- Leveraged Android native to integrate with popular music streaming services like Spotify, Google Play Music, or other music apps available on the platform.
- Used MVVM with Bluetooth connectivity for real-time updates and interactions between the media system and connected devices, providing a smooth and interactive user experience.
- Media browser service provided standardized controls and navigation features, making it easier for users to discover and select their desired media content while driving.

## Solution Highlights

- Thoroughly tested and optimized the Bluetooth connectivity features, ensuring compatibility with a wide range of devices and addressing any connectivity issues.
- Develop robust APIs and establish partnerships with music app providers to ensure seamless integration and compatibility with popular music apps
- Implemented efficient offline caching mechanisms to store and synchronize media content, allowing users to access and enjoy their music even in areas with limited or no internet connectivity.

Tech Stack



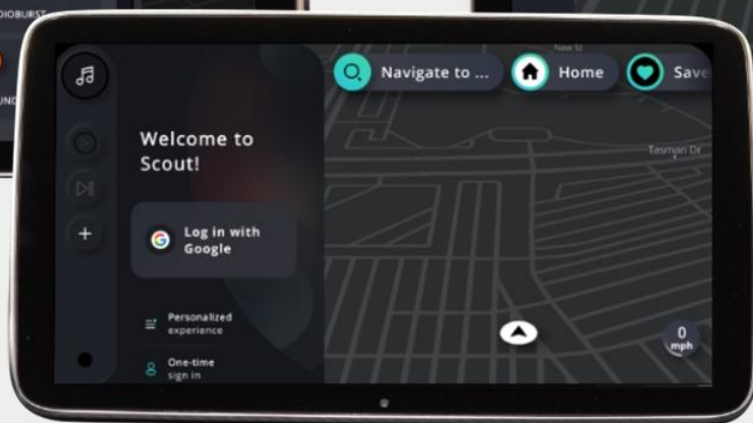
Kotlin



Hilt

FLEX-BOX





# Efficient Vehicle Tracking and Energy Consumption Visualization for Enhanced Reporting

A South Korean multinational automotive company headquartered in Seoul.

User-Friendly Interface

Real-Time Tracking

Geolocation

Data Visualization

## Outcomes

### Optimized Vehicle Performance Analysis

- Implemented a dashboard utilizing vehicle data, enabling precise analysis of fuel usage and energy consumption.

### Real-Time Tracking

- Developed a robust tracking system utilizing Google Maps API, ensuring real-time tracking of vehicles from source to destination.

### Visualized Energy Consumption

- Created graphical visualizations for energy consumption patterns, providing a clear overview of vehicle performance over different periods.



# Solutioning

## Challenges

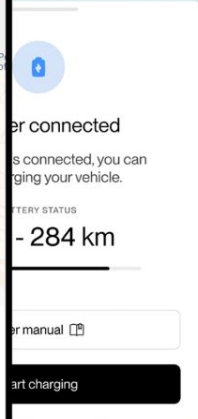
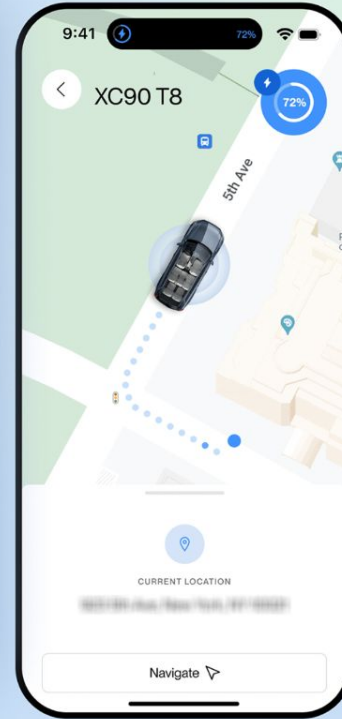
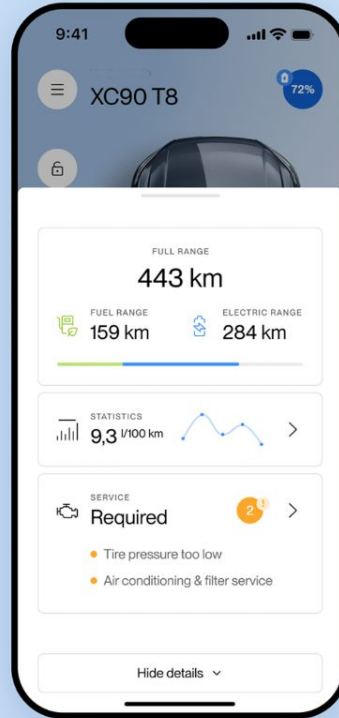
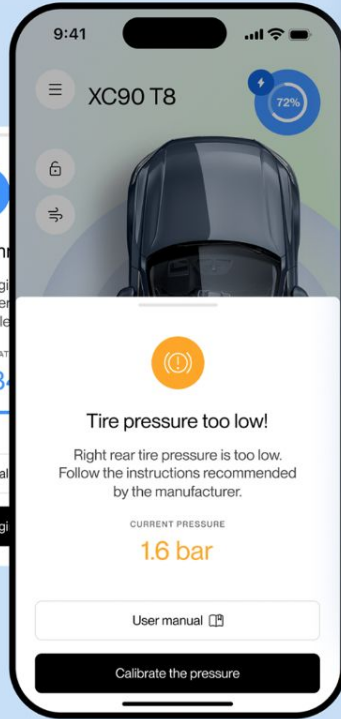
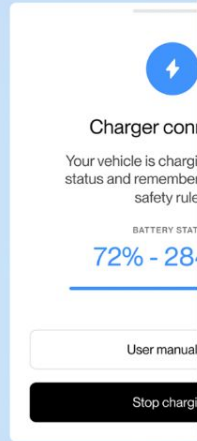
- Managing and processing large volumes of vehicle data for real-time and historical fuel usage tracking.
- Ensuring accurate and seamless real-time tracking of vehicles from source to destination.
- Creating detailed graphical representations for tracking data in both annual and monthly reports.

## Technical Spotlight

- Windows Server platform provided robust data processing capabilities.
- Conducted rigorous testing and integration protocols to seamlessly incorporate Google Maps API into the system.
- Flexible Android (Java) and Windows Server platforms allowed customized graphical reports to meet specific business needs.

## Solution Highlights

- Implemented advanced algorithms to efficiently process and manage the extensive vehicle data.
- Implemented Google Maps API for reliable and precise tracking.
- Utilized advanced data visualization tools and software to transform complex tracking details into clear and visually appealing graphs and charts.



# Designed an Advanced Emergency Notification and Tracking App

A leading force in indian automotive manufacturing.

User Convenience

Efficient Communication

Geolocation

Navigation Features

## Outcomes

### Enhanced Safety Measures

- Implemented a system to plan trips and enable real-time tracking ensures.

### Improved Emergency Response

- Enabled emergency notifications which allows for quick response in critical situations.

### Integration of Navigation Features

- Integrated features like nearby help locations and emergency helpline numbers enhancing the utility of the application.

# Solutioning

## Challenges

- Developing a system for instant alerts without false positives.
- Integrating diverse features like nearby help locations and emergency helpline numbers.
- Allowing users to manually trigger emergency alerts.

## Technical Spotlight

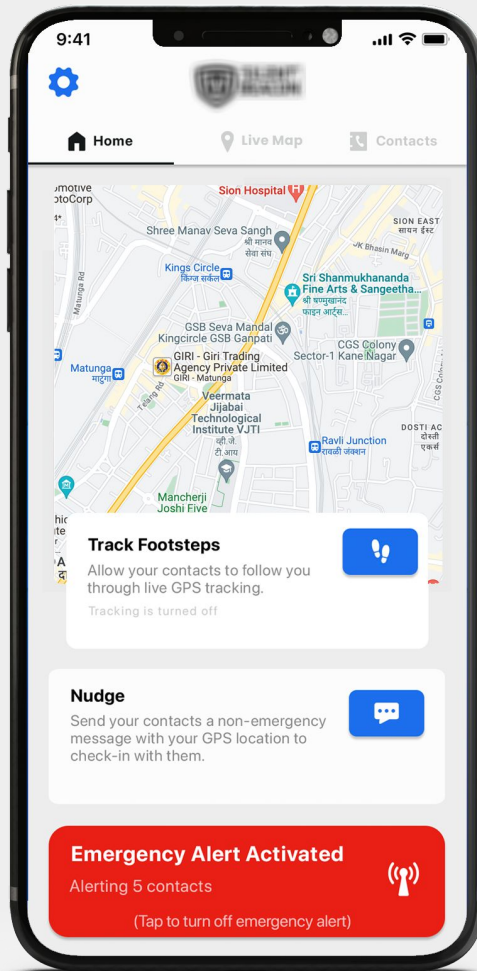
- Leveraged ASP.NET Web API for creating secure and scalable APIs.
- Integrated Google Maps and Google API for accurate geolocation services.
- Designed an intuitive user interface using CSS3 and HTML to ensure easy navigation.

## Solution Highlights

- Utilized multi-sensor data for accurate emergency confirmation.
- Developed a versatile data integration system that harmonizes disparate data sources.
- Designed an intuitive interface for manual SOS activation.

## Tech Stack





9:41



Home

Live Map

Contacts



### Track Footsteps

Allow your contacts to follow you through live GPS tracking.

Tracking is turned off



### Nudge

Send your contacts a non-emergency message with your GPS location to check-in with them.



### Emergency Alert Activated

Alerting 5 contacts



(Tap to turn off emergency alert)

# Enabled Users To Integrate Their Digital Lives With Their Vehicles

A pioneer navigation and location-based services.

Bluetooth Connectivity

Radio Functionality

Music AppS Compatibility

Offline Connectivity Support

## Outcomes

### Enhanced Safety Measures

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- Implemented a system to plan trips and enable real-time tracking ensures.

### Improved Emergency Response

---

- Enabled emergency notifications which allows for quick response in critical situations.

### Integration of Navigation Features

---

- Integrated features like nearby help locations and emergency helpline numbers enhancing the utility of the application.

# Solutioning

## Challenges

- Users struggled to integrate various music apps within their vehicles.
- Ensuring a consistent and user-friendly experience across various platforms and devices.
- Enabling real-time updates for playlists, new music releases, and app functionalities without causing latency or disruptions.

## Technical Spotlight

- Integrated with the vehicle's infotainment system ensures compatibility and a cohesive user experience within the car.
- The Facade pattern simplified the complexity of integrating various music applications, providing a unified and user-friendly interface.
- Implemented a Media Browser Service enabling smooth interaction with media content, making it easier to discover, browse, and play music.

## Solution Highlights

- Developed an advanced in-vehicle media system that seamlessly supports multiple music applications.
- Designed an intuitive interface allowing users to effortlessly browse playlists, discover new music, and navigate between apps.
- Implementing a push notification system to deliver real-time updates to users.

## Tech Stack







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