New Car Locator – Volvo Cars

Company: Tech Mahindra Ltd

Client: Volvo Cars

Duration: *(Jan 2017 – Nov 2018)*

🔍 Project Overview

The **New Car Locator** is a digital solution developed for Volvo Cars to streamline the process of locating available new vehicles across dealerships and inventory systems. The tool enhances customer experience by providing real-time visibility into car availability, specifications, and location.

🎯 Objectives

- Allow customers and dealers to locate new Volvo cars based on filters like model, color, engine type, and location.
- Integrate with Volvo's existing inventory and logistics systems.
- Provide a responsive and intuitive user interface for both desktop and mobile platforms.
- Improve lead conversion by offering accurate and timely car availability data.

🛠️ Technologies Used

Layer	Technologies/Tools
Frontend	React.js, Redux.js, HTML5, CSS3
Backend	.NET Framework / .NET Core
Database	Microsoft SQL Server
Integration APIs	RESTful APIs, Volvo internal APIs
DevOps	Azure DevOps, CI/CD Pipelines
Version Control	Git, GitHub

👷 Roles & Responsibilities

- Developed dynamic and responsive UI components using React.js and Redux for state management.
- Built and maintained backend services using .NET, ensuring secure and efficient API endpoints.

- Designed and optimized SQL queries and stored procedures for MSSQL Server.
- Integrated frontend with backend APIs to fetch and display real-time car inventory data.
- Participated in Agile ceremonies and collaborated with cross-functional teams.
- Conducted unit testing and supported UAT and production deployment phases.

📈 Key Achievements

- Reduced car search time by 40% through optimized filtering and search algorithms.
- Improved customer satisfaction scores by integrating real-time availability.
- Successfully deployed the solution across multiple European markets.