**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.