

CAR CONNECTIVITY PLATFORM

Enabling Car Connectivity, Control and
Authorization for Premium OEM

Mastery in
Software
Engineering

FORTECH.



Key Facts

-  Industry: Automotive, Internet of Things
-  Team Size: 18+ People
-  Duration: 5+ Years (ongoing)
-  Technologies:
 - Java 8,
 - WSO2 middleware, Microsoft Azure,
 - Microservices based on Netflix model
-  Services:
 - Software Development,
 - Software Testing,
 - Integration,
 - Support
-  Trends: Connected Cars

Highlights

- The scalable platform represents a core software component that runs on a popular premium car model.
- From a technical standpoint, it leverages the Microservices architecture.
- Supplies more than seven million vehicles with digital services such as real-time traffic information, applications like remote control and locational services.



Solution

The solution is a customized software platform built for an OEM (Original Equipment Manufacturer) to enable car connectivity, control and authorization services.

The infrastructure connects in real time millions of cars with external content providers and enables the control of and authorization for car hardware programming (scheduling, geofencing etc.).

The platform provides online services from the cloud to more than seven million connected vehicles around the globe.



Collaboration

The project is delivered within a distributed Agile team, by a core of accomplished engineers, each of them with multiple years of experience in projects for the Automotive sector.

Quality and compliance are key for a product that must guarantee reliability and safety for millions of passengers daily.

The project follows the required software quality gates in the industry: continuous integration, code reviews and end-to-end testing (pre-test, test, integration, pre-production, production).

Through personnel rotation and intense knowledge transfer, Fortech develops, maintains and operates the connected car platform.

Client Benefits



QUALITY COMPLIANCE:

Quality gates alignment with industry standards.



RELIABILITY:

Fortech provides an on-call support team for the client.



TECHNICAL ADVANCEMENTS:

WSO2 Middleware and Microservices based on the Netflix model.



ABOUT FORTECH

Fortech is a Romanian software development company headquartered in Cluj-Napoca. Employing more than 700 software engineers and growing, Fortech is one of the largest software outsourcing providers in the region, recognized by Deloitte and EY as one of the fastest growing technology companies in Central and Eastern Europe.

Fortech provides full stack custom software development and software testing services, with focus on solutions for Automotive, Healthcare, eCommerce and the Internet of Things. Since 2003, two hundred clients chose Fortech as their software engineering partner, among which T-Systems, Swisscom, Symantec, Pfizer and Renault.

For more information, visit www.fortech.ro.

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