

VEHICLE CONNECTIVITY PLATFORM


Enabling vehicle connectivity via over-the-air software updates and cloud services for premium OEM.




Mastery in
Software
Engineering




Key Facts

 Industry: Automotive, Internet of Things

 Team Size: 17 People

 Duration: 7+ Years (Ongoing)

 Technologies:
Java, Spring Boot, Spring Cloud,
Docker, Kubernetes, Helm
Azure, AWS

 Services:
Software Development,
Software Testing,
Integration,
Support

 Trends: Connected Cars

Highlights

- The platform consists of a distributed environment of Cloud services that empower several premium vehicle models.
- It provides real-time vehicle features like live traffic, remote diagnosis, remote control, and lots more.
- From a technical standpoint, it leverages the microservices architecture.



Solution

The solution is a customized global software platform developed, monitored, and maintained for a premium OEM (Original Equipment Manufacturer). It enables Internet connectivity features, multimedia features, remote vehicle control, remote vehicle monitoring, and many more.

The features are activated, deactivated, enhanced, maintained, or improved via over-the-air firmware and software updates.



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 ensures constant on-site presence of the nearshore team members, resulting in seamless alignment with respect to the required technology processes, quality and legal standards.

Client Benefits



QUALITY COMPLIANCE:

Quality gates alignment with industry standards.



LEGAL COMPLIANCE:

Awareness and integration of European legal requirements.



TECHNICAL ADVANCEMENTS:

Cloud microservices architecture hosted in managed Cloud infrastructure.



ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 1150+ software engineers, Fortech has been repeatedly recognized by Deloitte, IAOP®, EY, and Forbes for its fast-growing, entrepreneurial journey.

With expertise and a strategic focus across healthcare, financial services, automotive sectors, and more, we cover the end-to-end software lifecycle development to deliver the innovation, scalability, quality and speed our clients need.

Our approach to software engineering combines strong technology and process know-how, Agile delivery methods, and a blend of code quality practices and metrics refined in almost two decades. Since 2003, over two hundred fifty clients chose Fortech as their tech partner.

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