SOFTWARE PLATFORM FOR FLEET MANAGEMENT

Optimizing Fleet Management Through Vehicle Health Status Monitoring

Mastery in Software Engineering

FORTECH.
a GlobalLogic company

Key Facts

🏭 Industry: Automotive, Internet of Things

👥 Team Size: 5 People

📅 Duration: 2 Years

</> Technologies:

    .NET Desktop WPF,

    Java Spring MVC,

    Bootstrap.

⚙️ Services:

    Software Development

📊 Trends: Connected Trucks

Highlights

● A complete software platform for managing the configuration and operation of our client's device for fleet management.

● It makes freight traffic more efficient for transportation businesses.

● Fortech ensures the full lifecycle delivery of the project, from architectural proposal to Agile implementation.
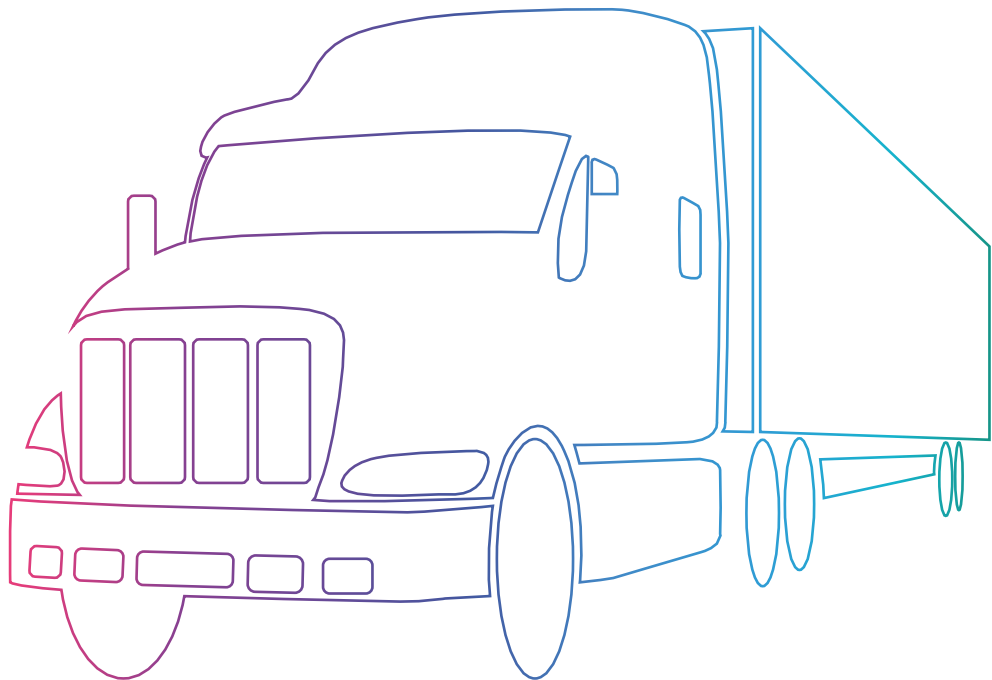
Solution

The client needed a centralized solution that would allow the management of its products - devices that transportation businesses install to monitor the health status of the vehicles in their fleets.

Fortech developed a desktop application that connects to trucks via the device installed on them (e.g, digital speedometer) and offers a diagram with fleet management and vehicle health status metrics, such as speed and driving time.

The solution allows the device's firmware and configuration to be upgraded, fixed or enhanced when needed. It also enables the interconnectivity between the client's server and third-party servers, such as those of the end clients, via an API.

Collaboration

The collaboration started with Fortech rewriting an already existing desktop software used for the communication with the in-truck hardware the client manufactures.

Later, the client expanded the project's scope with an enhanced version of the platform that connects to the trucks through the Internet and provides the data in real-time.

Following an intense communication with the client's product team, the team at Fortech transformed the business requirements into software specifications. A competencies-mixed Agile team at Fortech created the product's architecture from scratch and is now developing the complete software platform.

Client Benefits

MODULARITY:
Of the different parts of the architecture.

AGILITY:
Iterative development and flexibility with on the fly requirements.

INTERCONNECTIVITY:
To enable inter-server communication.

ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 1150+ people, 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 life cycle 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.

Access our expertise: www.fortech.ro.

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