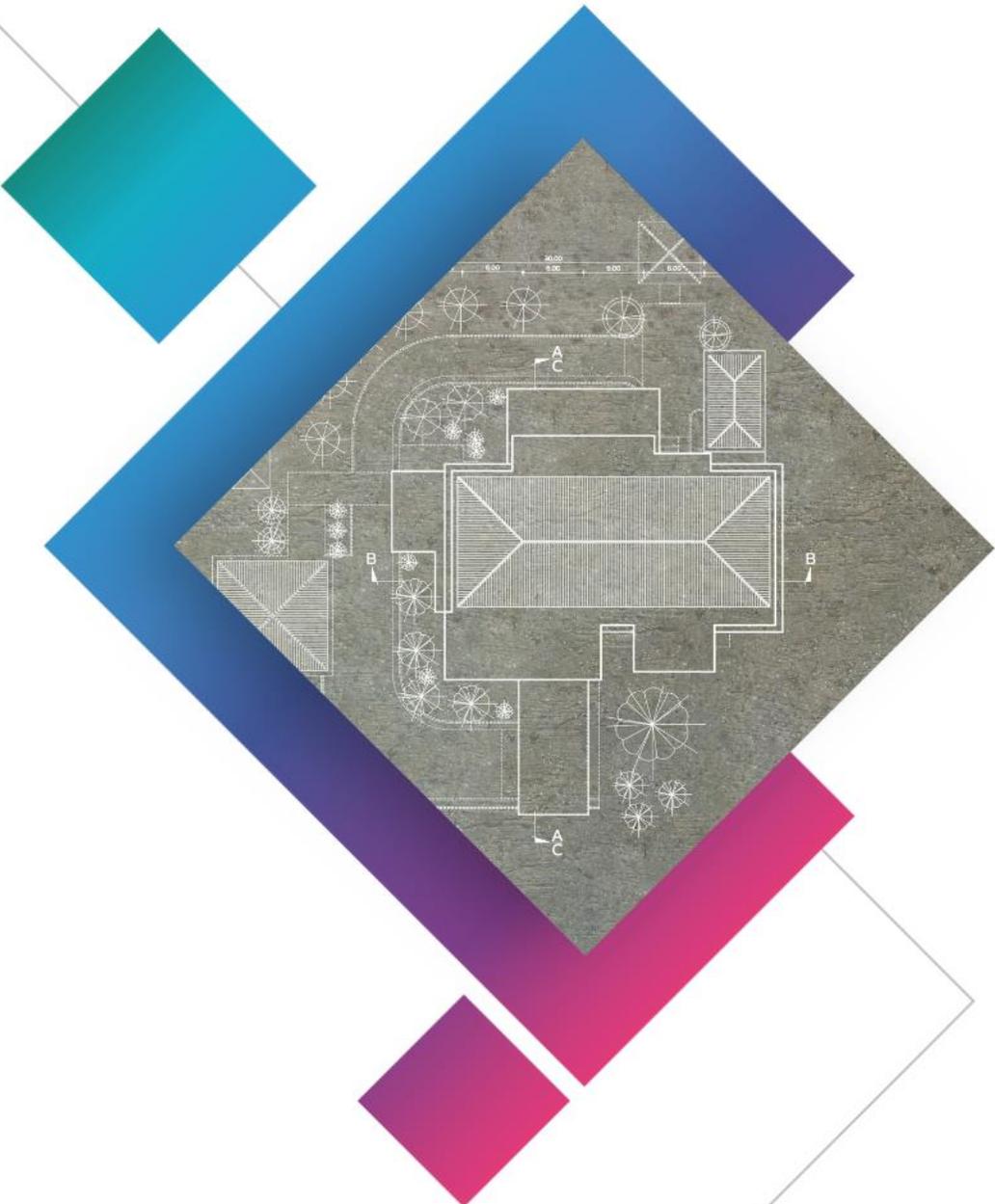


CLOUD-BASED PLATFORM FOR THE CONSTRUCTION INDUSTRY



Mastery in
Software
Engineering



Key Facts



Industry: Construction



Team Size: 28 people



Duration: 4+ years (ongoing)



Technologies:

.NET, Angular, MS SQL, PowerBI,
Kendo UI, Bootstrap



Services:

Business Analysis

Software Development

Software Testing

Project Management

UI/UX

DBA

IT Support

Highlights

- The CRM helps businesses streamline workflows, improve calendar management and centralize the jobs schedule by automating manual processes.
- Managers can assign jobs to selected crew members, monitor work updates, supervise costs/ project, and track the status of a specific job.
- Intuitive and easy to use on all devices (*desktop, tablet, and mobile*).



Solution

Cloud-based software developed to help contractors, from residential-focused construction businesses to corporate-level companies, manage projects, design proposal templates, simplify workflows, and save valuable time by automating manual processes.

The construction sector, as one of the largest industries in the world, is increasingly adopting various new technologies to keep up with market dynamics. To respond to all the requests and challenges of the market, the construction software considers the business needs of both small and enterprise-level contractors:

- Small contractors used to work with pen and paper and keep physical databases. Thus, the software would have to be fast, customizable, and intuitive for them.
- On the other hand, enterprise companies would need the product to enable collaboration between different departments, to include a wide range of functionalities and complex data structures.

The application was built to be flexible, usable on any platform (desktop, laptop, mobile device), and easily scalable.

The cloud-based platform is highly customizable and scalable, leveraging a fast and efficient tech stack: MS SQL Server, .NET, Angular, Kendo UI.

Collaboration

When our collaboration started, the application was at idea stage. Our client's initial list of functionalities was very high-level, so we've agreed to begin with an MVP.

The cross-functional team was 100% Fortech (BA, Database Architect, Back-End, Front-End & QA Technical Leaders, Software Developers, QA Engineers, UI/UX designer, PM) and to prove the new product's concept, it needed to reach the market as soon as possible so the technology stack was chosen to support that: Microsoft SQL Server for the data layer; .NET for the API layer; Angular for the UI layer together with Kendo UI components for faster development of the user interface.

The MVP phase was successful, and the software quickly started to attract contractors, so the product entered a phase of continuous feature development. The entire product team continues to be 100% at Fortech, and new functionalities and services are added constantly.

As the product developed, in addition to software development services our team also provides:

- Data services;
- PowerBI reporting;
- Atlassian services;
- Automated Testing.

Client Benefits



AGILE

The agile principles driving the way the engineers at Fortech work allow the team to shift focus based on the client's business goals.



KNOW-HOW

The core team that developed the MVP is still part of the project, thus ensuring stability and full knowledge of the product's progress.





ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 1000 people, Fortech has been repeatedly recognized by Deloitte, EY, IAOP and Forbes for its fast-growing, entrepreneurial journey.

With expertise and a strategic focus across healthcare, financial services, industrial manufacturing, professional 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 clients chose Fortech as their tech partner.

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