

FDA APPROVAL WORKFLOW MANAGEMENT SYSTEM



Mastery in
Software
Engineering

FORTECH.



Key Facts



Industry: Healthcare



Team Size: 7 People



Duration: 6 Months



Technologies:

AngularJS, Node.js

MongoDB

AWS Cloud, Docker



Services: Software Development

Highlights

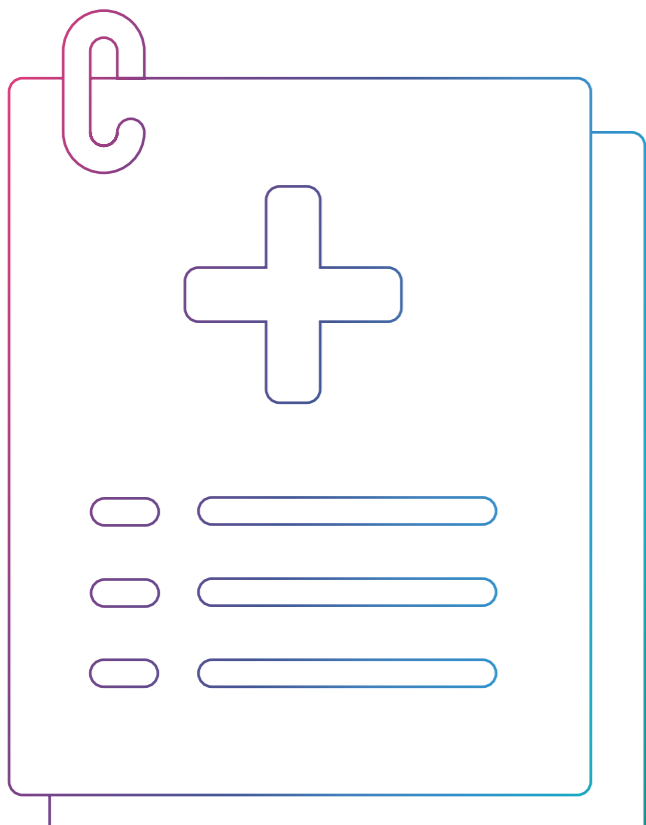
- Newly designed software architecture to address the need for greater resilience and scalability.
- Completely modernized platform for a better user experience.



Project Goals

Our client’s objectives were to improve the performance and user experience of their production application. They also wanted to modernize the application, using the latest in open-source technologies. Their pain points were poor performance and lack of support and maintenance for the existing technology.

A challenge for this project was that the existing platform was developed without documentation, and the quality of deployments was poor. We had to establish approaches with the client to solicit requirements, structure deliverables, and introduce a much higher quality level, all within tight timelines.



Solution




Our first step was to introduce a technical lead who would design the new architecture, reinforce best practices, and lead the development team towards high-quality coding standards and stable, functional software. Structured team-work, collaboration, open communications, and knowledge sharing with our client proved to be the keys to our success.

We introduced an Agile Scrum process, with 2-week sprints, daily standups, planning meetings, reviews, and retrospectives. Team Foundation Server was used to organize and track deliverables, using a customized workflow.

The client’s team included one product owner. Fortech’s team was structured with one team lead, also acting as a “proxy” product owner, four developers, and 1.5 testers. We set KPI’s based upon unit test coverage, integration tests results and our CI/CD pipeline outputs. Our team sent a report to the client after each sprint.

We met the timelines and delivered the features in-scope. Our application performed significantly better than the previous platform, with greater resilience and scalability.

Client Benefits

-  **HIGHER QUALITY**
Quality significantly improved, as demonstrated by our test reports: unit test coverage, success/ failure rates, bugs found.
-  **GREATER VELOCITY**
Our end-of-sprint reports demonstrated a much greater velocity than our client had previously experienced.
-  **RESILIENCE AND SCALABILITY**
We designed the architecture to address the prior application’s pain points: mainly to be resilient to failure, and easily scale to thousands of users.





ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 800 people, Fortech has been repeatedly recognized by Deloitte, 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, two hundred and twenty clients chose Fortech as their tech partner.

Access our expertise: www.fortech.ro

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