







# PAPER-FREE BANKING LOAN APPLICATION



Mastery in  
Software  
Engineering



## Key Facts

-  Industry: Banking
-  Team Size: 16 People
-  Duration: 2,5 Years
-  Technologies:
  - Angular 7,
  - Java/Spring Boot,
  - Microservices.
-  Services
  - Software Development
-  Trends: Digital Banking

## Highlights

- Cross-platform banking software application facilitating and automating the complete lending process.
- Evaluating customers based on risk criteria, reducing the time spent applying for a loan and wasting no paper in the process.
- Compliant with EU regulations and fully integrated into the client's banking systems.



## Solution

A banking application designed to digitize and facilitate the lending process and reduce the physical time spent by customers at their local branches. The financial solution is designed to automate the end-to-end personal loan application process through a cross-platform software application.

The app evaluates customers based on risk criteria, cuts the time spent applying for a loan to a matter of minutes and wastes no paper in the process. APIs from multiple regulatory agencies and from the internal bank of the client are integrated into the solution to ensure the lending process is compliant with all EU regulations and its workflow is automated across the banking systems.

The solution relies on a microservices architecture, with Java and Spring Boot as the main technologies for the backend. The microservices communicate internally through queues using RabbitMQ with data structures of JSON type. JavaScript with Angular and CSS are being used for frontend.

## Collaboration

The client is part of one of the largest financial service providers in the CEE region, and a leading retail banking provider in the local market.

When we started the collaboration, the client was looking for a software outsourcing company that could integrate into their ecosystem and augment their existing teams to accelerate time-to-market for their solutions. Our Agile competencies combined with financial software development know-how and the capacity to attract and retain talent played an important role in setting the base for a successful partnership with the client.

In the beginning, the team at Fortech included three software engineers fully integrated into the client's development environment. Since then, we have grown to be a part of their teams, a true reliable partner and a preferred supplier for software services.

## Client Benefits



Financial software development skills coupled with a deep understanding of the business context



Proven partnership model, and the ability to easily complement their teams with different roles



Providing extensive agile expertise and technical consultancy



# 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.

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