

# DATA CRUNCH APPLICATION

Powering an AI-Driven FinTech Solution

Mastery in  
Software  
Engineering

**FORTECH.**

## Key Facts



Industry: FinTech



Team Size: 4 People



Duration: 7.5+ Years (Ongoing)



Technologies:

ASP.NET MVC4, C#, JavaScript 8,  
jQuery, Entity framework (ORM),  
DevEXPRESS, Highcharts, Qlikview,  
Xamarin.



Services:

Business Analysis  
Software Development  
Software Testing



Trends: Artificial Intelligence

## Highlights

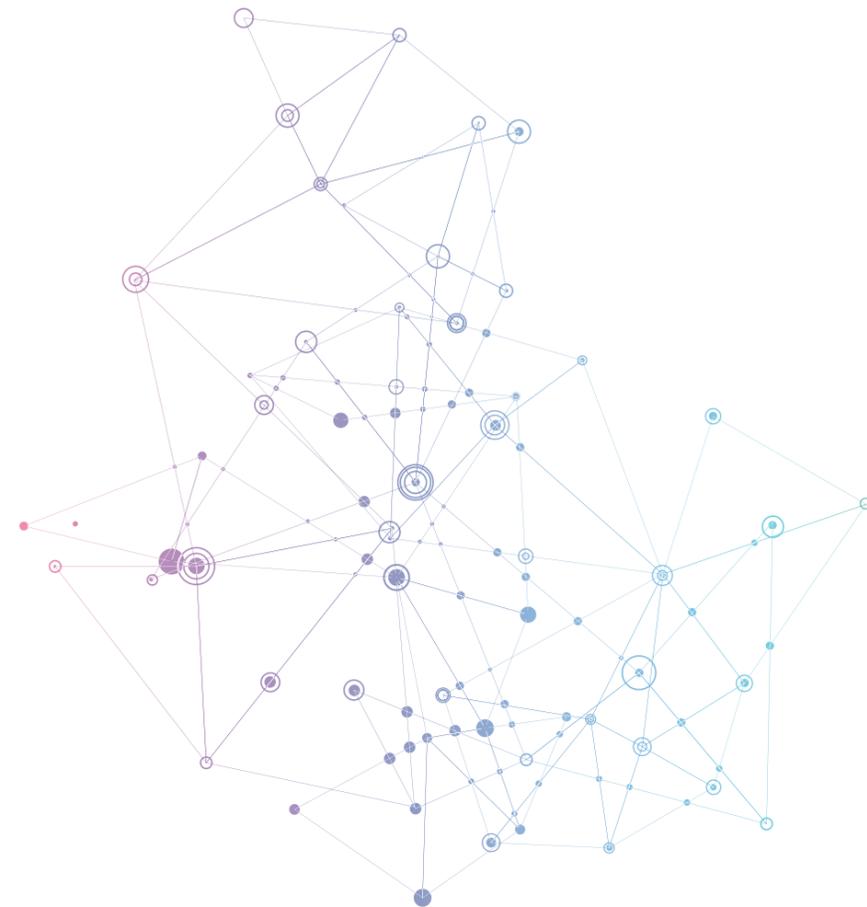
- Commodities risk Business Intelligence platform, part of a larger financial solution.
- It leverages artificial intelligence to enable fast decision making.
- Fortech provides multiple services in a distributed team engagement model.



## Solution

The solution is suite of web and mobile applications for a commodities risk specific Business Intelligence platform. It connects to any data source and leverages the existing landscape of the systems.

The web application is a portal that analyses, manipulates and modifies trading information for different products. Also, it generates various reports in accordance with the aggregation level.



## Collaboration

We started the project in 2013, with a distributed team composed of software developers and QA engineers from Fortech and project managers and database developers from our client's team.

Following an ongoing successful collaboration, our teams are responsible for the application's front-end, back-end and database development. The back-end application processes large amounts of data fed by asynchronous methods and heterogeneous sources.

One of the most relevant features developed by the team at Fortech is an algorithm powered by artificial intelligence. It facilitates the decision-making process by importing data from multiple sources and providing analyses. The solution can also estimate the evolution of prices with the help of the AI algorithm by analyzing two streams of data containing the previous values and the stock market fluctuation.

On top of this, the client benefits from great flexibility in adjusting the platform as needed.

## Client Benefits



**SKILLS:**  
Solid software development skills, easy integration of Highcharts and other visualization software.



**COLLABORATION:**  
Successfully managed highly complex architectures in a nearshore distributed team.



**SPEED:**  
Low latency. The team ensures a 30 minutes response time rate for incoming requests.





# 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, 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 clients chose Fortech as their tech partner.

Access our expertise: [www.fortech.ro](http://www.fortech.ro).

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