



# MIHAI

Senior Backend Software Engineer (Java) • Contractor • Freelancer

## ABOUT ME

I am a Senior Backend Software Engineer (Java) / contractor / freelancer with **4+ years of experience**, only interested in remote work.

I use my expertise, skills, and passion for learning to design and implement top-of-the-line software solutions for organizations worldwide.

**Drop me a message** if you think I could help you!

## WORK EXPERIENCE

### Senior Java Software Engineer

Oct 2023 - Sep 2024

*Market data processing application | Societe Generale Global Solution Centre*

The client, a leading French investment bank, was facing high costs and slowness in performing risk and valuation analyses due to increasing market data volume and low stability for a market data processing application.

- **Increased processing speed by 3X** by migrating from a legacy messaging solution to a more modern one and switching to parallel processing for the different market data types supported.
- **Improved stability by 20%** by switching to a new API version and writing a new module that automatically reported discrepancies between messages sent on the previous and new version.
- **Led a team of 3 developers** and ensured smooth project progress by creating and assigning tasks, holding regular meetings, and communicating with key stakeholders.

Skills: Java 8/11, Spring, RabbitMQ, Tibco Rendezvous, Linux, Sybase / SQL, REST API, Git, Maven, Jenkins, Jira

### Senior Java Software Engineer

Aug 2022 - Sep 2023

*Trade Upload Server | Societe Generale Global Solution Centre*

The client, a team from the French finance industry performing real-time transaction processing, was finding it difficult to adapt to changing markets and bearing increasing financial costs due to higher trading volumes.

- **Improved front office experience by 50%** by enhancing the data model, enabling the team to increase trading on the EUREX exchange and by creating new API endpoints for client applications.
- **Reduced manual work by 50%** by improving and extending a trade aggregation algorithm and automating manual reconciliation workflows with scripts.
- **Increased stability by 30%** by improving the internal communication model between the application components, migrating to a new monitoring solution, and writing an event replay script.

Skills: Java 8/11, Spring, Kafka, Corba, Sybase / SQL, Linux, Cucumber, REST API, Logstash / Kibana, Git, Maven, Jenkins, Jira

## CONTACT

Bucharest, Romania

## SKILLS

Java 8/11	4 years
Spring	4 years
Linux	4 years
Sybase / SQL	4 years
REST API	4 years
Maven	4 years
Corba	3 years
RabbitMQ	2 years
Logstash / Kibana	3 years
Jenkins	4 years
Git	4 years
Cucumber	3 years
Kafka	1 year
Jira	4 years
Tibco Rendezvous	1 year
Autosys	1 year

## EDUCATION

### The Open University

BS Computing and IT

Online, 2020 -

### Spiru Haret University

Ba / MA in Architecture

Bucharest, 2009 - 2015

## Java Software Engineer

Apr 2021 - Jul 2022

*Equity Web Services application | Societe Generale Global Solution Centre*

The client, a risk analysis team working for a French investment bank, was facing problems adapting to regulatory requirements for reporting and increasing slowness due to an application that could not scale anymore and was becoming increasingly difficult to change.

- **Halved database calls** by migrating from a monolith to a microservice architecture and implementing a remote cache solution.
- **Reduced the calculation error rate by 30%** by adding new monitoring pipelines, extending an automated alerting solution, and implementing an automated checker with regular scheduling to ensure data correctness in the remote cache.
- **Boosted calculation quality by 50%** by extending the system to store underlying data for derivative products, improving a cache refresh mechanism based on database notifications, and implementing a second caching layer for frequent client requests.

Skills: Java 8/11, Apache Ignite, RabbitMQ, Spring, Corba, Sybase / SQL, Linux, REST API, Cucumber, Logstash / Kibana, Git, Maven

## Java Software Engineer

Sep 2020 - Mar 2021

*RegXchange reporting | Societe Generale Global Solution Centre*

The client, a team performing regulatory reporting for a major French bank, was having trouble aligning to industry standards for new reports due to a legacy system for which technical knowledge had been lost.

- **Improved client reputation by 40%** by creating a new daily batch reporting solution for MiFID II-eligible transactions.
- **Doubled stability** by adding automated testing pipelines, refactoring and cleaning the code to make it more readable, and improving alerting for failed batches.

Skills: Java 8/11, Spring, Sybase / SQL, Linux, Cucumber, Autosys, Git, Maven, Jenkins, Jira