ALEXANDRU NUTU

Senior Java Engineer • Contractor • Freelancer

# ABOUT ME

I am a senior Java Engineer / Contractor / Freelancer with **6+ years of experience**, only interested in remote work.

I use my passion and problem-solving skills to design and implement top-of-the-line software solutions for businesses around the world.

Do you think my expertise can help your organization? **Let’s connect!**

# WORK EXPERIENCE

## Senior Java Engineer Powercloud | Billing system

### May 2022 - Sep 2023

The client, market leader in the digital of energy industry in Germany, was experiencing slow development time in the process of building and maintaining a SaaS billing and CRM platform for mid and back-office processes.

* **Decreased time for adding new features and identifying first priority bugs by 50%** by establishing a new codebase with focus on code quality and testing (business, unit, integration, automation).
* **Reduced performance limitations by 70%** by allowing the system to scale horizontally using top-notch technologies like Java 17, Spring Framework 6, RabbitMQ and by migrating from a PHP monolith to a more agile cloud microservices architecture.

Skills: Java 17, Spring Boot 3.0/Data, JPA/Hibernate, Flyway, RabbitMQ, Nomad, Docker, Jenkins, Kibana, Sonar, Bitbucket, MySQL, Maven, JUnit/Jupiter, Testcontainers

## Senior Java Engineer

**Playtika | World Series of Poker**

### Apr 2021 - May 2022

The client, one of the fastest-moving and most innovative gaming companies in the world, was experiencing major drawbacks when attempting to scale its business due to serious performance issues stemming from the existing monolithic architecture.

* **Reduced performance limitations to virtually 0 and improved in-game reliability by more than 30%** by implementing asynchronous APIs using Spring Webflux and by designing

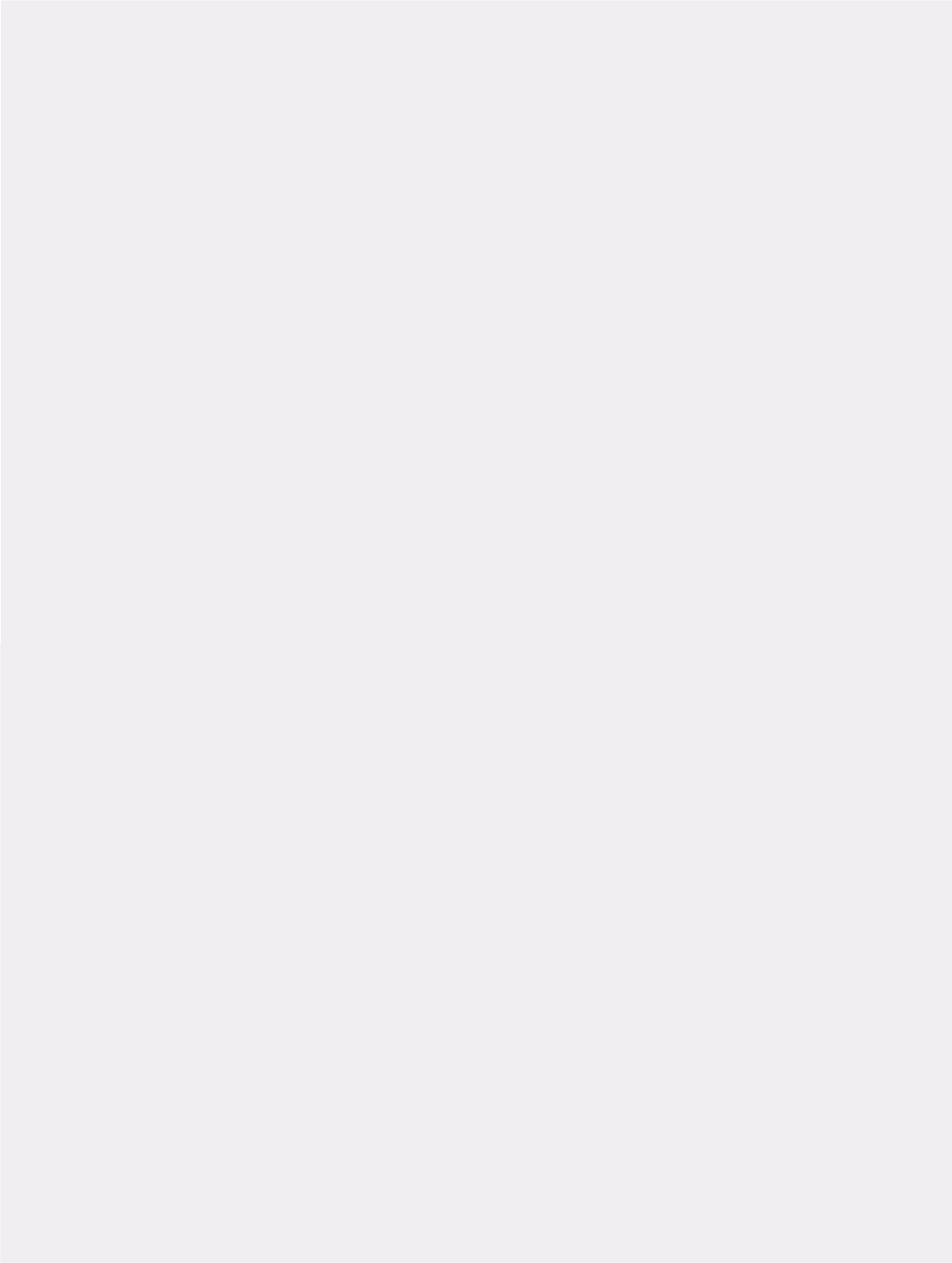
real-time data processors using Apache Kafka.

* **Decreased production delivery times by more than 80% and reduced the probability of creating side effect bugs to virtually 0** by using individual CI/CD pipelines for each service and by implementing unit, functional, and contract tests for the designed features.

Skills: Java 8/11, Spring Cloud/WebFlux/Data, Netflix Eureka, Kafka, Toxin, Guice, Redis, Aerospike, JUnit/Contract, AWS, Docker, Kubernetes, TeamCity, Prometheus, Grafana, ELK

## Senior Java Engineer Mindit.io | Fintech platform

### Jan 2020 - Apr 2021

The client, providing digital financial asset management tools, was facing difficulties in expanding his business and was struggling to fulfill requests from banks using his application due to his most used product lacking key design and logic features.



**CONTACT**

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Alexandru Nutu

**SKILLS**

Software architecture

» Monolithic

» SOLID Principles

» Microservices

» Distributed systems

» Clean architecture

» Domain-Driven Design

» Test-Driven Design

6 years

6 years

6 years

5 years

5 years

4 years

2 years

Back-end

» Java

» Spring Framework

» Maven

» GIT

» CI/CD

» SQL

» Docker

» Kubernetes

» Kafka

» AWS

6 years

6 years

6 years

6 years

5 years

5 years

5 years

3 years

2 years

2 years

**EDUCATION**

**University of Bucharest**

Master’s Degree in Software Engineering Bucharest, 2018-2020

**University of Bucharest**

Bachelor’s Degree in Computer Science Bucharest, 2015-2018

* **Expanded from the initial 1 core design to 4 different bank clients integrations** by using Freemarker templates and by designing multiple APIs using Spring Boot and Jersey, based on a domain-driven design approach.
* **Speed up the registration process of new potential investors by 30%** by adding new core features to the existing advisor and end-client investment portals.

Skills: Java 8, Jersey, Spring Boot/Data/Security, Linux, Docker, Kubernetes, Hibernate, Hateoas/HAL, Maven, Freemarker, Oracle SQL, Gitlab CI/CD, Postman, Swagger

## Senior Java Engineer

**Mindit.io | Price policy and price analysis tool**

### Jan 2019 - Jan 2020

The client, a Swiss-based travel retailer which operates duty-free and duty-paid shops, was experiencing considerable low productivity among employees performing price analysis and defining price policies due to lacking functionality in a poorly maintained and bugged internal platform.

* **Improved efficiency among employees by 50%** by designing a completely new web platform with a far more intuitive user experience and using fast state-of-the-art technologies like Java 11 and Spring Cloud Netflix and a microservices-based architecture.
* **Reduced development times by 40%** by rewriting the business logic from SQL stored procedures to Java code and by automating the release process using Kubernetes and Gitlab. Also, **the reliability of the application increased by 35%** by fixing bothersome bugs and by achieving over 85% test coverage.

Skills: Java 8/11, Spring MVC/Cloud/Eureka/Security, Netflix, Struts, JUnit, JPA/Hibernate, Microsoft SQL Server, Docker, Liquibase, Flyway, Jenkins, Maven, GIT, JSP, Angular JS

## DevOPS Engineer

**Mindit.io | Centralized logging**

### Aug 2018 - Jan 2019

The client, a well-known European bank, was wasting a significant amount of time and was struggling with low customer satisfaction due to difficulties in finding bugs and issues reported by end-users.

* **Successfully centralized logs from 20 systems in less than 3 months and assured 4x faster bug discovery times** by implementing predefined scripts for configuring the required software and installing monitoring tools into 4 different environments.
* **Established a 50% more user-friendly interface** for finding customer issues by designing filters and metric dashboards in Kibana which became the main instrument for investigating production incidents and was highly appreciated by the level 3 customer support employees.

Skills: Elasticsearch, Logstash, Kibana, Docker, Kubernetes, Linux, Ansible, GIT, Jira, Confluence

## Java Engineer

**Mindit.io | Holidays platform**

### Nov 2017 - Aug 2018

The client, a Bucharest-based company offering outsourcing services for many businesses in Europe, was struggling to manage employees' information and holidays data due to still using a deprecated internal management platform.

* **Expanded the functionality of the web application by 35%** by designing APIs for adding, updating, deleting, or filtering employees based on multiple criteria.
* **Improved monthly reports creation times by 30%** by fixing bugs and by implementing a new Excel export feature. Also, drastically improved app security by 70% by migrating from HTTP to HTTPS and by integrating authentic ation with Azure Active Directory.
* **Ensured 100% transparency in employees' working patterns** by providing mechanisms for searching and exporting holidays information or environment preferences like working on-site and working from home.

Skills: Java 8, Spring Boot/MVC/Data/Security, Hibernate, Thymeleaf, Azure, Lombok, JavaScript, Flyway, MYSQL, Postman, Jenkins, JIRA, Confluence