

Calin Chelcea

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Experience

Software Developer

Oct 2024 - Present / Bucharest, Romania

Phi Partners | Spring, Java, Minio, Podman, Grafana

- Implemented an API monitoring system with a gateway interceptor that converts incoming requests into executable cURL commands and records full execution traces across microservices.
- Added a custom JDBC layer around `SimpleJdbcCall` to log and expose fully resolved SQL queries, improving cross-environment debugging and visibility into prepared and table parameter calls.
- Developed a RAG-based chatbot integrated with MinIO, capable of querying both file structures (folders, metadata) and the content of financial Excel files, with support for interactions across multiple databases.
- Worked in a distributed microservices environment leveraging Solace for asynchronous communication and trace propagation across services, improving observability and fault isolation.
- Built a regression testing tool that compares Excel outputs across environments by diffing data extracted from zip archives containing multiple files.

Junior Java Developer

July 2023 – June 2024 / Bucharest, Romania

ESolutions | Spring, Java, React, PostgreSQL, Flyway, Redis, Docker

- Built a headless CMS, enabling content management without coding through RESTful API integration.
- Engineered performance mechanisms, including caching, ETags for optimized HTTP traffic, filtering mechanisms, webhooks, and scheduled jobs.
- Involved in the creation of a website that dynamically loads Mustache templates and data from the CMS, making it easy for non-technical people to edit content and change the website without the need to code.
- Collaborated on a transcription web application that transcribes videos and uses AI to generate chapters, captions, and more, improving content accessibility.

Data Warehouse Developer Junior

July 2022 – March 2023 / Bucharest, Romania

American Greetings Romania

- Orchestrated and maintained ETL processes using Informatica Cloud and SSIS.
- Wrote and optimized SQL and PL/SQL scripts for data manipulation.

Projects

Rent Now

Spring Boot, Java, React, PostgreSQL, Minio, Python, Eureka, Docker

- Developed a microservices-based book rental system for an online library, including book management, rentals, statistics and personalized recommendations.
- Integrated image storage with Minio object storage and established telemetry using Grafana, Loki and Prometheus.
- Implemented chatbot functionality using RAG for book recommendations and FAQs.

Food Waste App

React, Node.js, Express, MySQL

- Created a Food Waste Management application integrating Firebase and Google Authentication, synchronized with MySQL for data management.
- Incorporated key features such as the ability to manage products, reserve products, filtering and a donation system.

Skills

Proficient: Java, Spring Boot, PostgreSQL, Docker, Git, Maven, Redis, JPA/Hibernate, REST APIs, HTML, CSS

Familiar: React, JavaScript, SCSS, Python, Kubernetes, Eureka, JUnit, Mockito, Microservices, Mustache, Solace, RAG

Tools/Platforms: GitLab, GitHub, Jira, Jenkins, Grafana, Prometheus, Loki, Minio, Flyway, Podman, Confluence, Ubuntu

Education

Master's Degree

2023 – 2025

Faculty of Cybernetics, Statistics and Informatics (A.S.E.)

Bachelor's Degree

2020 – 2023

Faculty of Cybernetics, Statistics and Informatics (A.S.E.)