Dehelean Rares Catalin

I'm a Software Engineer focused on building secure and performant applications.

 drcatalin00@gmail.com

Personal website

 GitHub

Professional Experience

Java Software Engineer , _Betfair Romania_   2023 - 2025

- Collaborated with risk and trading teams to develop multiple applications that help traders and managers to identify potential money losses and generate better odds.
- Migrated a project that monitors bets and issues alerts in real time if odds are incorrect or bet selections become too popular and exceed risk thresholds.
- Built front-end architecture, implemented back-end workflows that process and group bets based on their selections using Java, Spring boot, Spring Kafka, AWS, Javascript.
- Implemented a feedback loop to calculate, reset and display the distributions for events that have thousands of open markets.
- Eliminate the need and cost for an redis machine by implementing a custom cache using spring.
- Refactored an application that can change events odds and enabled new features like bulk changes, filtering and localization.

Frontend Developer, _IT Perspectives_ 2022 - 2023

- Contributed to the development of an international SaaS product, that enhance document management processes, saving up to 8 minutes per document for over 30 construction companies.
- Collaborated in the development of the desktop version of the app, implementing compatible features for both platforms, using React, TypeScript and Redux.
- Rebuilt the core UI components and fixed technical issues within our UI library, resulting in better code reuse and maintenance.
- Helped a new colleague integrate into the team, introduced him to the code base through pair programming and code reviews.

Selected Projects

E-learning Platform (React, Node Js, GCP)

- Developed an e-learning platform, featuring course sharing, activity monitoring, report generation, and material reviews.
- Integrated Deepgram NLP models to generate transcription and translations for the video materials.
- Used the GCP SDK for storing data, files and authentication.

Personal Portfolio

- A showcase of my projects and work experiences, developed using Next Js and hosted on Vercel platform.
- Prioritized WCAG and UX/UI standards, and ensured optimal performance through Google Lighthouse testing.

Skills

Languages

Java, Groovy, Javascript, TypeScript, SQL, Bash, HTML, CSS.

Frameworks & Libraries

Spring, Spring Boot, JDBC, React, Next Js, React Native, Node Js, GraphQL.

Tools & Infrastructure

Git, GitHub, Jenkins, AWS, Kafka, DBeaver, Docker, Jira, PostgreSQL, Figma.

Education

Oct 2019 - Jul 2023

Technical University of Cluj-Napoca

Bachelor of Engineering - BE, Automation and Computer Science.

Other Projects

Obstruction Game

A Java-based strategy game, powered by a Minimax algorithm and deployed on Netlify platform.

Volunteering

Asociatia Oportunitati si Cariere

Refactored a Job Management application and designed new features using React and Django.

Technical University of Cluj-Napoca

Selected to guide international students, helping them to understand C++, data structures and algorithms.