Cosmin-Ioan Roșu

Software Engineer

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📍 Bucharest, Romania

SKILLS

Java & Spring Ecosystem – Spring Boot (microservices, REST APIs, config management), Spring Security (auth, OAuth2), AOP, Data (JPA, JDBC, Hibernate), testing (JUnit, integration, Testcontainers)

Databases – PostgreSQL, MySQL, Oracle (schema design, optimization, Flyway migrations), Redis (NoSQL)

DevOps – CI/CD pipelines, Docker, Kubernetes, Jenkins, ArgoCD

Observability – Micrometer, OpenTelemetry, Jaeger, ELK stack

Architecture & Design – DDD, event-driven systems

Frontend – React, TypeScript, Supabase

Code Quality Checks

Script Automation

PROFILE

Result-oriented Software Engineer with a strong foundation in scalable software solutions and a Master's in Computer Science. Proficient in Java, Spring, and React, with extensive experience in DevOps and database management. Committed to driving efficiency through automation and ensuring high code quality, while continuously contributing to service architecture enhancements.

WORK EXPERIENCE

Software Engineer

Special Telecommunications Service of Romania (STS), Bucharest / July 2023 - Current

- Built and maintained scalable software solutions with experience spanning DevOps, observability, databases, event-driven architecture, and frontend development in React.
- Designed and implemented complex business logic using Java 17 and Spring, while improving shared libraries and contributing to service-level architectural enhancements.
- Automated repetitive processes using scripts and dedicated tools, reducing delivery time.
- Conducted code reviews to uphold code quality and support team-wide best practices.

EDUCATION

Master of Science in Computer Science

National University of Science and Technology POLITEHNICA, Bucharest / 2023 - 2025

- Specialization in eGovernment
- Conducted master's thesis on *optimizing medical data interaction*
- Specialized in digital governance, public sector information systems, and scalable software solutions
- Research and coursework emphasized databases, software architecture, and secure event-driven systems for government and enterprise applications

Bachelor's degree

"Ferdinand I" Military Technical Academy, Bucharest / 2019 - 2023

- Computer Science
- Presented *"A Modern Paradigm for Effective Software Development: Feature Toggle Systems"* at the **15th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Bucharest, Romania**, 2023

Highscool

"Nicolae Grigorescu" National College, Câmpina / 2015 - 2019