

Contact

Bucharest
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Top Skills

Microservices
Spring Boot
Angular

Languages

French (Limited Working)
English (Full Professional)

Certifications

Oracle Certified Associate, Java SE
8 Programmer

Adrian Dragota

Senior Software Engineer — Java / Spring Boot · Microservices ·
Full-Stack · 6+ yrs
Bucharest Metropolitan Area

Summary

Software Engineer with 6+ years of experience building distributed systems in Java and Spring Boot for enterprise clients across the public sector and regulated industries. Delivered event-driven microservices with Apache Kafka, migrated legacy databases with composite primary keys to modern JPA, and integrated applications with Keycloak / OAuth2. On the mobile side, built a hybrid field-data app with real-time Augmented Reality (Capacitor + OpenLayers) running geospatial math on-device. Oracle Certified Java SE 8. Based in Bucharest, eligible to work on-site or hybrid without relocation.

Experience

SIMAVI Software Imagination & Vision

Software Developer

September 2019 - Present (7 years 1 month)

Bucharest Metropolitan Area

Delivered backend and full-stack systems across enterprise programs in the Romanian government and regulated industries. Selected projects:

- CNPP — National Pension House, system modernization

Designed two Maven multi-module microservices (AMBP-INEMRCM, SPA-Servicii) with 8 modules each: domain, DTO, mapper, business, REST, client, and Liquibase. Migrated a legacy schema with composite primary keys to JPA using @EmbeddedId / @IdClass, with carefully implemented equals/hashCode to keep the persistence context consistent. Bridged compliance-locked PL/SQL stored procedures via @NamedStoredProcedureQuery and the EntityManager API. Liquibase tracks every schema change for full migration history in a regulated domain.

- GeoPhoto — Hybrid mobile app for field data collection

Developed in Ionic 7 / Angular 17 / Capacitor 6. Implemented a real-time Augmented Reality overlay that projects points of interest onto the camera

view using GPS and device orientation sensors, smoothed with a low-pass filter to handle sensor noise. Integrated an OpenLayers map with multiple layers and custom projections, plus geospatial polygon processing (clipping, intersection, area calculation) with offline-first storage. The hard engineering trade-off was aligning coordinate reference frames between the AR feed and the map data in real time.

- ITHACA — Workflow orchestration platform

Built event-driven microservices in Spring Boot 3.4 (Java 17) using Apache Kafka and Kafka Streams. Implemented polyglot persistence with MongoDB for high-volume operational data and PostgreSQL for transactional records. Migrated the communication service to Spring Boot 3.4 with the OAuth2 Resource Server (Jakarta EE namespace, new Spring Security model).

- Cross-cutting: containerized services with Docker and Docker Compose, authentication via Keycloak, REST API design, unit and integration testing with JUnit and Mockito, and collaboration across product, QA and ops in agile teams.

Devmind

Junior Java Developer Trainee

October 2018 - June 2019 (9 months)

Bucharest, Romania

Intensive Java traineeship covering OOP principles, data structures, multithreading, and the Java framework ecosystem. Completed the program and earned the Oracle Certified Associate, Java SE 8 Programmer certification, leading directly into my engineering role at SIMAVI.

Pre

Pre-software career

2008 - September 2018 (10 years)

Constanta

Operations, analytics, and customer-facing roles in logistics (Fast Freight — international freight forwarding, Romania–Spain) and digital media (WalletHub — content analytics with Google Analytics and Webmaster Tools) before transitioning into software engineering in 2018.

Education

Universitatea „Ovidius” din Constanța

Master's degree, Business Administration, Management and Audit of Business Projects · (2011 - 2013)

Universitatea Spiru Haret Constanta

Bachelor's degree: Financial and Accounting Management · (2005 - 2008)

Liceul Teoretic Traian Constanta

High School - Math and Computer Science, Computer Science · (1998 - 2002)