Marin Dulja

Backend-Focused Full-Stack Developer

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PROFILE

Backend-focused Full-Stack Developer with 4.5+ years' professional experience shipping production software across fintech, trading, banking, and SaaS. Deep expertise in Java, Kotlin, and Spring Boot across monolithic and microservice architectures, with React experience enabling end-to-end ownership. Experience spans distributed systems, real-time data pipelines (RabbitMQ, Kafka, WebSockets), REST/GraphQL APIs, and cloud infrastructure (Azure, Docker). Designed, built, and operated a subscription SaaS solo, from system design through billing integration and production deployment.

PROFESSIONAL EXPERIENCE

Full-Stack Developer, *Self-Employed* — 12/2025 – Present
Tech Stack : React 19, JavaScript, Supabase, PostgresSQL, Supabase Edge Functions — Elbasan, Albania

- Sole architect and engineer of a production subscription SaaS: React 19 + Vite + Tailwind frontend (100+ components) on Supabase (PostgreSQL, Auth, Edge Functions, Google OAuth), backed by a 15-table schema across 52 versioned migrations.
- Implemented per-user data isolation with 28 Row-Level Security policies and moved core invariants into the database layer: 16 Postgres triggers enforcing plan limits, default-data provisioning, and denormalised totals, alongside RPC functions for subscription state and trial lifecycle.
- Built the full billing lifecycle on Paddle across 5+ Supabase Edge Functions: webhook handling with signature verification, entitlement checks, customer-portal provisioning, failed-payment recovery, and GDPR account deletion.
- Developed the analytics surface (spending insights, monthly financial-health score, automatic recurring-transaction detection, net-worth tracking) with Recharts, plus full English/Albanian i18n and a prerender pipeline for SEO.
- Ran a structured market-validation process before scaling further: 98 prospect conversations across four channels, 36 priced offers, 0 conversions. Concluded there was no willingness to pay in the target market and halted development rather than continuing to build. The product remains live.

Backend Software Engineer (Contractor), — 04/2025 – 11/2025
ADUS Technologies s.r.o - xBratAI - AI-driven Alerts Platform — Remote (Slovakia)
Tech Stack : Java 24, Spring Boot 3+, RabbitMQ, PostgreSQL, Spring Security, Spring Data, MongoDB, Hibernate, Docker

- Engineered the real-time signal-detection and alerting pipeline (RabbitMQ, WebSockets, PostgreSQL, MongoDB) that identifies multi-indicator confluences and delivers sub-second alerts to 10,000+ day traders across crypto, forex, and futures.
- Launched 5+ revenue-critical features including Stripe subscription billing, community chat, and push notifications via OneSignal, enhancing user engagement and monetization.
- Owned full feature lifecycle: requirements analysis → API modeling → testing → deployment
- Delivered 70+ end-to-end tasks in 7 months while reducing post-deployment regressions by 40% through targeted integration test coverage.

Backend Software Engineer (Contractor), *Noema Consulting - Enterprise Banking System* — 08/2024 – 03/2025
Tech Stack : Kotlin, Spring Boot, Spring Security, GraphQL, Microsoft Azure, Apache Kafka, JPA, OpenFGA, Spring Data, MongoDB, PostgreSQL, Docker — Remote (Qatar)

- Designed and evolved REST and GraphQL APIs in Kotlin and Spring Boot within a 240+ microservice enterprise banking platform, working in a 10+ person Agile team.
- Strengthened access-control reliability across critical banking services by adding 50+ OpenFGA tests covering authorization roles, guarding the platform against authorization regressions in production.
- Built event-driven integrations with Apache Kafka on Spring Boot 3, and modelled document persistence in MongoDB alongside the relational services.
- Shipped 80+ tickets touching 10+ services inside that estate, tracing cross-service dependencies and coordinating releases with backend, frontend, and QA.
- Earned the Microsoft Certified: Azure Developer Associate (AZ-204) certification during the engagement.

Backend Java Developer (Contractor), *Candidatis GmbH - JobAd Platform (Austria & Germany)* — 05/2023 – 12/2023
Tech Stack : Java, Spring Boot, RabbitMQ, GraphQL, Docker, SQL — Remote (Austria)

- Sole backend engineer for a job-advertisement platform serving Austria and Germany, owning REST/GraphQL integration with third-party services and mentoring a junior developer.
- Cut the Spring Boot web crawler's runtime by 30%, materially improving the freshness of job-listing data across the platform.

Java Developer, *Sabanet Albania - Alarm Management System* 11/2022 – 05/2023
Tech Stack : Java, Spring Boot, RabbitMQ, PostgreSQL, Spring Security, Spring Data, MongoDB, Hibernate, Docker, Retrofit, Spring Cloud Remote (Durres)

- Owned and extended a 10+ microservice alarm-management system (service discovery, API-gateway routing, centralized configuration) and added a Retrofit-based microservice for third-party API integration.
- Modernized the platform by migrating 8+ microservices from Java 11 to Java 17 under SOLID principles, improving long-term maintainability and security posture

Java Full-Stack Developer, *Comdata Group* 07/2021 – 10/2022
Tech Stack : Java, Spring, PostgreSQL, Spring Data, Hibernate, ZK (MVVM) Remote (Italy)

- Delivered full-stack features and the data-persistence layer (PostgreSQL, Hibernate, Spring Data JPA), progressing from junior to independently owning features end to end at a 90%+ on-time delivery rate.

EDUCATION

MSc Computer Science, *University of Tirana* 2018 – 2020
8.1/10

BSc Computer Science, *University of Tirana* 2015 – 2018
8.18/10

TECHNICAL SKILLS

Languages
Java, Kotlin, SQL, JavaScript (ES6+)

Messaging
RabbitMQ, Kafka, WebSocket/STOMP

Testing
JUnit, Mockito, Integration Testing

Frameworks
Spring Boot, Spring Cloud, Spring Security, Spring Data JPA, Hibernate, React.js, Tailwind CSS

Cloud & DevOps
Azure, Docker, Kubernetes, Docker Compose, Git, Netlify

AI Integration
Spring AI
LLM Integrations
AI-Powered Microservices
MCP Tools, Resources & Prompts

APIs & Integration
REST, GraphQL, Stripe SDK, Paddle, OneSignal, Retrofit, Feign Client, OAuth 2.0, JWT, Webhooks

Architecture
Microservices, Event-Driven Systems, Distributed Systems, Monolith

Databases
PostgreSQL, MongoDB, Supabase, SQL Server, PL/pgSQL, Row-Level Security, Database triggers & RPC

Product
Customer discovery, market validation, pricing strategy, SEO fundamentals (prerendering, structured metadata)

CERTIFICATION

- Microsoft Certified: Azure Developer Associate (AZ-204)

Languages

English
Proficient

Italian
Conversational

German
Basic A1/A2