



Joachim Tworko

Senior Backend Developer

Java & Spring Boot Expert | Microservices Architect | GCP Certified

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About Me

Senior Backend Developer with **5+ years of experience** building robust, scalable enterprise solutions for the banking and healthcare sectors. Specialized in **Java, Spring Boot, and microservices architecture**, with proven expertise in delivering mission-critical systems for large organizations like Credit Agricole and BNP Paribas.

I excel at architecting backend systems that handle high traffic, complex business logic, and strict security requirements. My approach combines clean code principles, comprehensive testing, and DevOps best practices to ensure reliable, maintainable solutions. **GCP certified** with hands-on experience in cloud infrastructure and CI/CD pipelines.

5+ Years

Backend Development

15+ Projects

Enterprise Solutions

4 Certificates

GCP Certified

Banking & Healthcare

Specialized Sectors

Core Technologies

Backend & Languages

- **Java** - 5 years - Expert
- **Spring Boot / Spring Framework** - 5 years - Expert
- **Hibernate / JPA** - 5 years - Expert
- **Microservices Architecture** - Expert
- **REST API / GraphQL** - Expert

Cloud & DevOps

- **Google Cloud Platform (GCP)** - Certified
- **Docker / Kubernetes** - Expert
- **CI/CD** (Jenkins, GitLab CI, GitHub Actions) - Advanced
- **Terraform** - Advanced

Databases

- **PostgreSQL** - Advanced
- **MongoDB** - Advanced
- **Redis** - Advanced
- **MySQL** - Intermediate

Additional Skills

- **Message Queues** (RabbitMQ, Kafka) - Advanced
- **Testing** (JUnit, Spock, TestContainers) - Expert
- **TypeScript / Angular** - Intermediate

Professional Experience

Software Engineer

2022 – Current

Deviniti

Java, Spring Boot, Kotlin, PostgreSQL, MongoDB, Redis, Kubernetes, GCP

- **Architected and led development** of digital onboarding platform enabling fully remote bank account and business registration with 95%+ completion rate
- **Designed microservices architecture** integrating 8+ third-party services (KYC, identity verification, e-signatures) with circuit breaker patterns for resilience
- **Reduced API response times by 40%** through database query optimization and implementing Redis caching layer
- **Currently developing award-winning** internal employee app (2024 Employer Branding Excellence Award) serving 5000+ bank employees with features including AI chat, resource management, and gamification
- **Implemented comprehensive testing** strategy (unit, integration, E2E) achieving 85% code coverage and zero critical bugs in production

Software Engineer

2024

Appwise

Java, Spring Boot, Microservices, PostgreSQL, MongoDB

- **Developed logistics TMS system** for one of Europe's largest freight companies, including mobile app for drivers and web portal for business operations
- **Built waste management platform** for Alba with comprehensive CMS, route planning for collection vehicles, warehouse management, and electronic document handling
- **Implemented backend services** for automated invoicing, weight tracking systems, and fleet management modules

Software Engineer

2023

Altkom Software

Java, Spring Boot, Microservices, PostgreSQL, Kafka, Docker, GitLab CI

- **Developed medical risk evaluation module** within large-scale insurance platform comprising 30+ microservices
- **Mentored 3 junior developers** on best practices, code quality, and microservices patterns while conducting 50+ code reviews
- **Implemented event-driven architecture** using Kafka for asynchronous processing of survey submissions, improving throughput by 60%

Java Developer

2022

NVT

Java, Spring Boot, PostgreSQL, MongoDB, REST API, WebSockets

- **Architected and built reusable Kanban board library** supporting both SQL and NoSQL databases, adopted across 3 client projects
- **Implemented real-time updates** using WebSockets for collaborative board interactions with 50+ concurrent users
- **Integrated email/SMS notification** system and automated billing workflows, reducing manual processing time by 70%

Mid Full Stack Engineer

2021 – 2022

Whirly

- Worked as a Full Stack Developer on a custom IVR solution for the telecom industry. Handled both backend and frontend tasks, developed new features, fixed bugs, wrote technical documentation, and implemented automated tests using Domain-Driven Design approach.

Junior Full Stack Engineer

2020 – 2021

BNP Paribas

Java, Spring Boot, Angular, GCP, OpenShift, PostgreSQL, Python

- **Built cloud cost calculator** for architecture team to estimate and optimize GCP infrastructure costs across 50+ projects
- **Developed document processing pipeline** for AI team to prepare banking documents for ML model training
- **Deployed and maintained applications** on GCP and OpenShift, gaining hands-on experience with cloud-native development

Transition Technology

→ Participated in a two-month internal project focused on an office management system. Developed features, wrote technical documentation, collaborated with the team, and created unit and integration tests.

Education

Computer Science specialization in Software Engineering

2021-2022

University of Information Technology and Management

Master's thesis focused on performance evaluation of Spring Boot and Quarkus libraries in microservices architecture applications.

Computer Science specialization in Web Applications

2017-2021

University of Rzeszow

Participated in two student scientific clubs and completed an engineer's thesis involving the independent development of an original web application for creating IT teams.

Certificates

App Deployment, Debugging, and Performance

Google Cloud Platform (Coursera)

May 2021 | ID: AGUFC95QVJEH

Developing Applications with Google Cloud Platform

Google Cloud Platform (Coursera)

May 2021 | ID: RJSKD64Z4EVW

Securing and Integrating Components of your Application

Google Cloud Platform (Coursera)

May 2021 | ID: T4R6SK32E74J

Google Cloud Fundamentals: Core Infrastructure

Google Cloud Platform (Coursera)

May 2021 | ID: FEHSY5XZ3P4C