

Bartosz Korec

Software Engineer | CyberSec Enthusiast

Cracow, Poland hello@bartoszkorec.com www.bartoszkorec.com bartoszkorec
bartosz-korec

Summary

Software Engineer focused on Java backend development, distributed systems, and API integration testing. Pursuing a Master's degree in Enterprise Cybersecurity with a hands-on background in IP networking, routing, and application security.

Technical Skills

Languages: Java, SQL

Frameworks & Testing: Spring Boot, REST Assured, JUnit, Mockito, Angular

Cloud, DevOps & Data: Apache Kafka, Docker, ArgoCD, OpenSearch, PostgreSQL, Git / GitLab, Linux

Networking & Security: OAuth2, JWT, IP Networking, Routing, Application Security

Professional Experience

Comarch, Test Automation Engineer — Cracow, Poland, Oct 2025 – present

- Automating REST Assured API integration tests for an enterprise loyalty platform using Java and Spring Boot.
- Validating asynchronous Kafka events and testing OAuth2 and JWT authentication flows.
- Managing microservice test deployments with ArgoCD and troubleshooting issues through OpenSearch logs.

Comarch, Software Developer Intern — Cracow, Poland, July 2025 – Sept 2025

- Built a full-stack loyalty application prototype in a 3-person team using Java, Spring Boot, and Angular.
- Containerized the service with Docker and managed GitLab workflows and peer code reviews.

Technical Projects

Intelligent Warehouse Management System

Java, Spring Boot, PostgreSQL, Google OR-Tools, JWT

- Full-stack warehouse system built for BSc thesis, modeling multi-level grid constraints and collision avoidance.
- Benchmarked Held-Karp, 2-opt, Nearest Neighbor, and Google OR-Tools solvers for route optimization.
- Secured the application with custom JWT authentication.

Banking Swift Service

Java, Spring Boot, PostgreSQL, Docker, Unit Testing

- Spring Boot REST API for managing bank records in PostgreSQL with CRUD operations and country-based filtering.
- Containerized with Docker and covered by unit tests.

Education

DSW Ideis University Cracow, Master of Science in Applied Computer Science — Cracow, Poland, Mar 2026 – June 2027

- Specialization in Enterprise Cybersecurity

Cracow University of Technology, Bachelor of Science in Applied Computer Science — Cracow, Poland, Oct 2022 – Feb 2026

- BSc Thesis on combinatorial route optimization and graph pathfinding
- Coursework in Java, data structures, algorithms, design patterns, and database systems
- Certificate of English Language Proficiency C1

Certifications

- **CCNA CyberOps Associate**

Declaration

I hereby give consent for my personal data to be processed for the purpose of conducting recruitment for the position for which I am applying.