



Bartłomiej Bąk




Cloud Engineer & DevOps

+48 453 300 698 contact@bartlomiejbak.com

Certified Cloud Engineer with 6.5 years of experience across software development, testing, and cloud infrastructure. Possessing a strong background in designing and implementing scalable, cloud-native solutions and ability to bridge the gap between development and operations. Actively seeking a new challenge where I can apply my expertise in DevOps and AWS to contribute to innovative projects and drive business success.

Work Experience

 **Cloud Engineer & DevOps** January 2024 - Present
 Siemens Digital Industries Software Katowice, Poland | Remote

Amazon Web Services Terraform Kubernetes Docker GitLab CI/DC DataDog

- Designed and deployed multi-regional AWS infrastructure for microservices applications including IAM, VPC, Route53, ECS based on EC2, ALB, RDS connectivity with partial DynamoDB integration and asynchronous SQS messaging.
- Designed and deployed serverless Lambda functions used with API Gateway and Cognito to allow access for external clients.
- Built and maintained pipelines for automated deployments, infrastructure provisioning, and test execution, significantly improving delivery speed and reliability.
- Set up monitoring with full ECS agent integration, enabling real-time visibility into application and infrastructure health.
- Leading project designed and deployed on Kubernetes, with a focus on scalability, efficient resource usage, and long-term maintainability.

 **Software Engineer** December 2022 - December 2023
 Samsung Electronics Warsaw, Poland | On-site

Kotlin Spring Boot Redis Kafka

- Developed and maintained Samsung Account microservices serving 1B+ global users, focusing on feature enhancements, high availability, and production issue resolution in distributed environments.
- Increased test coverage from 30% to 90% which significantly reduced deployment risks, improved overall software quality and reliability.
- Implemented and optimized CI/CD pipelines, automating compliance checks (static code analysis, security scans, code style validation) and accelerating software delivery cycles by ~40%.

 **Software Engineer** May 2021 - December 2022
 GFT Technologies Warsaw, Poland | Hybrid

Java Spring Boot Groovy Grails

- Designed and implemented a new microservices-based architecture for the OSL Global digital asset platform providing brokerage, custody, and exchange services, successfully replacing a legacy monolith and improving scalability and maintainability.
- Developed and automated a comprehensive testing strategy, integrated into CI/CD, ensuring high system reliability, faster regression cycles, and reduced production incidents by ~35%.

 **Automation Test Engineer** March 2020 - May 2021
 Millennium Bank Warsaw, Poland | On-site

Java Appium Selenium ELK Stack Postman

- Developed and maintained automated tests for a banking mobile application using by 4M+ users.
- Built automated tests increasing regression coverage by ~50%.
- Performed end-to-end regression and manual testing UI, API, DB, ensuring compliance with PCI DSS / PSD2.
- Investigated issues, reported defects, and created new test cases, reducing production bugs by ~20%.

 **Support Specialist** March 2019 - March 2020
 Deloitte Warsaw, Poland | On-site

Azure SQL ServiceNow SAP

- Supported OnePlace HR/intranet application for 11k+ employees, handling time tracking and leave management.
- Provided first-line support, investigating and resolving user issues.
- Managed deployment processes, performed manual testing, and verified business requirements with stakeholders.

Education

 **Bachelor of Computer Science** September 2016 - March 2020
 Carpathian State University Krosno, Poland | On-site

- The aim of the thesis was to design and implement an Android application for students using an existing REST API.

Technical Stack

Building infrastructure with IaC tools, orchestrating containers, and managing scalable cloud environments. Experienced in implementing containerization strategies and designing robust CI/CD pipelines. Skilled in automation and scripting for process optimization, as well as monitoring and observability to ensure reliability and performance. Additionally, I bring backend development experience in modern languages and frameworks, complemented by working knowledge of frontend technologies.



Soft Skills




Adaptable and solution-oriented professional with strong problem-solving and communication skills. I thrive in teamwork, building trust and collaboration across diverse groups. Known for accountability and ownership, I consistently deliver on commitments while keeping a big-picture perspective. My drive for continuous learning helps me stay agile and bring fresh ideas to every project.


Certificates





Projects


GymBuddy is a fitness application that connects people who want to work out together while also offering integrated e-commerce. The platform fosters community-driven fitness by enabling users to find workout partners and support each other's goals.

 [Spring Boot REST Api](#)
A microservice-based application secured with JWT token authentication, OpenID Connect, and Twilio integration. It uses Hibernate as the ORM to connect with a NoSQL MongoDB database, while Redis is employed for storing frequently accessed data.

 [Terraform Infrastructure](#)
Reusable infrastructure modules, including network components (VPC, subnets, route tables, security groups), compute resources (EC2 instances, load balancers, security groups, target groups), EKS clusters (node groups), and ECS clusters (capacity providers and auto scaling groups).

 [Kubernetes Orchestration](#)
Configuration includes deployments, services, and related resources.

 [Frontend | Android](#)
Reusable infrastructure modules for a microservice application, including network components (VPC, subnets, route tables, security groups), compute resources (EC2 instances, load balancers, security groups, target groups), and ECS cluster.

 [Frontend | Web](#)
Server-side rendered, fully responsive web application styled with Tailwind CSS and enhanced with advanced animations using the Three.js library, supporting authentication via Google or phone number.

Languages

English | B2 German | A1