



Krzysztof Flakus

Experienced Software Engineer - Engineering Lead

SUMMARY

Results-driven Seasoned Software Engineer & Engineering Lead with extensive expertise in Java, Kotlin, and Spring Boot. Proven ability to design and implement robust software solutions while effectively leading teams and mentoring engineers. Proficient in AWS cloud technologies and infrastructure as code with Terraform. Strong background in PostgreSQL, Axon Framework, and Event Sourcing, with a focus on scalable, distributed systems. Well-versed in CI/CD pipelines and deployment automation, ensuring seamless delivery and system reliability. Committed to high-quality, efficient, and maintainable code in dynamic development environments.

WORK EXPERIENCE

- **gtxn Co.** 01/2023 - Present
Senior Software Engineer

- Reduced AWS infra costs by 75% (dev) and 40% (prod)
- Integrated with 5 Kenyan bank APIs, enabling 9 different payment methods
- Designed and maintained 7 scalable and efficient microservices
- Designed and built cloud infrastructure in AWS with Terraform CDK & CI/CD
- Contributed to the Axon Framework multitenancy plugin by identifying and reporting critical bugs, earning "User of the Month" on discuss.axoniq.io

Stack: Java, Kotlin, Spring Boot, Axon Framework, PostgreSQL, Axon Server, AWS, Terraform CDK, DataDog, Gradle, Multitenancy, Domain Driven Design, CQRS, Event Sourcing

- **Linus Digital Finance** 08/2021 - 12/2022
Senior Software Engineer - Engineering Lead

- Developed and managed 3 high-performance microservices
- Integrated IDnow & PostIdent APIs for automated and video verification
- Fixed critical Apache Olingo issues via AOP, making it production-ready
- Built and led teams of 4 - 5 engineers, ensuring their growth, motivation, and smooth integration of new hires
- Developed and integrated complex investment profit calculation algorithms, ensuring accuracy and efficiency

Stack: Java, Kotlin, Spring Boot, Axon Framework, PostgreSQL, Axon Server, Digital Ocean/AWS, K8s, Terraform, RabbitMQ, DataDog, OData, GraphQL, Gradle, Domain Driven Design, Event Sourcing, CQRS

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

Personal Info

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Education

- **Master of Science (M.Sc.)**
Mathematics
Silesian University of
Technologi, Gliwice
2000- 2005

Core Tech Skills

Java · Kotlin · Spring Boot ·
Axon Framework · PostgreSQL ·
RabbitMQ · AWS · Terraform ·
CI/CD · DDD · Event Sourcing

Soft Skills

teamwork · problem-solving ·
work-discipline · goal-oriented
perseverance · leadership

Languages

english (B2)

● **smava**

07/2015 - 07/2021

Senior Software Engineer - Team/Engineering Lead

- Connected to 20+ German bank APIs (SOAP & REST)
- Led monolith-to-microservices migration, improving scalability and stability
- Engineered and sustained 6 robust microservices
- Optimized Groovy scripts execution service, improving efficiency and resource consumption by 40% with WebFlux
- Built Splunk dashboards and alerts, improving on-call efficiency and enabling faster incident response
- Implemented automated tests using TestNG and RestAssured, stabilizing release cycles and improving software quality
- Managed teams of 4 to 5 engineers, focusing on their growth, efficiency, and motivation
- Conducted hiring and onboarding for multiple engineers, ensuring a smooth transition into the team and accelerating their productivity

Stack: Java, Groovy, Spring Boot, PostgreSQL, RabbitMQ, Docker Swarm, Redis, S3, Splunk, Maven/Gradle

● **CodeConcept**

11/2011 - 07/2015

Web Developer / Software Engineer

- Designed and maintained 7 reliable web applications
- Automated generation and delivery of reports monitoring smartphone repair networks
- Optimized and automated the reconciliation and settlement process, streamlining accounts payable and receivable
- Enhanced real-time object tracking system, improving accuracy and responsiveness

Stack: C#, Java, PHP, JavaScript, PostgreSQL, T-SQL, MS Reporting Services, MS Integration Services, MS Analysis Services, MS Excel Services, MS Performance Point Services

● **Altasoft s.c.**

11/2005 - 11/2011

Web developer / Team Lead

- Designed, developed, and refined 5+ web applications, covering both backend logic and frontend UI/UX for a seamless user experience
- Automated participant badge printing for conferences, reducing manual effort and errors
- Optimized psychological test creation and execution, cutting processing time and improving accuracy

Stack: PHP, PostgreSQL, JavaScript, JQuery, HTML, MySQL