

Dominik Kaliszewski

Software Engineer

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Professional Summary

Software Engineer with 7+ years of commercial experience designing, building, and evolving backend systems for enterprise software and large-scale cloud products. Specialized in Java, Kotlin, and Spring Boot, with additional hands-on experience in Go and Python. At Atlassian, worked on Jira Cloud’s JQL search platform, including the migration of functionality from a legacy Java monolith to Kotlin-based microservices backed by OpenSearch. Comfortable owning features end to end: technical design, implementation, automated testing, experimentation, rollout, production support, and cross-team collaboration.

Technical Skills

Languages	Java, Kotlin, Python, Go, SQL, JavaScript, C#
Backend	Spring Boot, Hibernate, MyBatis, REST, GraphQL, gRPC
Data & Search	OpenSearch, Elasticsearch, PostgreSQL (incl. pgvector), MySQL, Oracle, Microsoft SQL Server
AI & LLM	RAG pipelines, vector search, MCP (Model Context Protocol) server development, local LLM inference (Ollama)
Testing	JUnit, Mockito, Selenium, Testcontainers, unit, integration, performance, and A/B testing
DevOps & Tools	Docker, Git, GitHub, Bitbucket, GitLab, Maven, Gradle, Spinnaker, Jib, Ant
Ways of Working	Technical design, code review, production support, incident analysis, Kanban, cross-functional delivery

Professional Experience

Atlassian	Remote
Software Engineer (promoted from Junior Software Engineer)	Jun 2022 – May 2026
Jira Cloud Search Platform	

- Designed and implemented backend capabilities for Jira Cloud’s JQL search engine, supporting direct search, automations, applications, and internal Atlassian use cases.
- Migrated functionality from a legacy Java monolith to a Kotlin and Spring Boot microservices architecture using OpenSearch.
- Owned features end to end, from technical design and implementation through automated testing, A/B experiments, rollout, and post-release validation.
- Authored technical design documents and worked with a Principal Engineer to review architectural and implementation decisions.
- Migrated the remaining 2% of search traffic still served by legacy functionality onto the new search engine, unblocking full deprecation of the legacy platform while maintaining performance and reliability throughout the cutover.
- Redesigned a costly infrastructure pattern, cutting infrastructure spend by roughly \$100K and enabling the platform to onboard 10,000 additional tenants at no extra infrastructure cost.
- Investigated production incidents and performance issues, participated in support rotation, and worked with Product Owners, Support, and engineering teams across multiple time zones.
- Reviewed code extensively and contributed to engineering quality through design discussions, planning, refinement, and shared ownership of delivery.

Atlassian CLI

- Delivered the Jira portion of an MVP command-line interface for Atlassian products.
- Implemented backend capabilities in Java and user-facing CLI commands and subcommands in Go using Cobra, including automated tests and production-readiness work.

Core technologies: Java, Kotlin, Spring Boot, Go, Python, OpenSearch, Elasticsearch, PostgreSQL, Docker, Gradle, Maven, JUnit, Mockito, REST, GraphQL, gRPC.

Pretius

Java Developer

Warsaw, Poland

Feb 2021 – Jun 2022

- Developed backend functionality for the Player.pl e-commerce platform using Java and Spring Boot.
- Implemented subscription payments through a mobile network operator, integrating the e-commerce platform, product catalogue, and SAP-connected billing system.
- Built full-stack functionality for internal product catalogue and billing applications using Java, Spring Boot, MyBatis, Angular, MySQL, and RabbitMQ.
- Collaborated directly with analysts and business stakeholders to clarify requirements and deliver production-ready functionality.

Transition Technologies PSC

Software Developer / Junior Software Developer

Kielce, Poland

Oct 2019 – Jan 2021

- Customized and extended PTC Windchill PLM for enterprise customers using Java, Hibernate, GWT, JSP, Tomcat, and Oracle SQL.
- Implemented user-interface extensions and the backend services supporting them.
- Built automated end-to-end tests with Selenium.
- Designed and delivered an import/export mechanism for objects within the PLM platform in collaboration with software architects.

Transition Technologies PSC

Junior ETL Developer

Kielce, Poland

Nov 2018 – Oct 2019

- Designed ETL processes from scratch using Oracle SQL, PL/SQL, Microsoft SQL Server, and Ant scripts.
- Built dynamic database scripts for data transformation, validation, and deployment workflows.

Selected Projects

AI Assistant Backend

Java, Spring Boot, Ollama, PostgreSQL/pgvector, MCP

Recruitment-task project: a Spring Boot AI assistant with multi-hop tool calling against two custom MCP servers (countries, weather) and a RAG pipeline over scraped product documentation, backed by a pgvector store and served by a locally hosted LLM (Ollama). Included a Testcontainers-based automated test suite. Public repo: github.com/cherro0125/ai-assistant-backend.

Veritas Roleplay

Squirrel, Go

Co-founder and backend developer of a Gothic II Online roleplay server; developed server-side systems and supporting CLI tooling.

Vibe Roleplay

C#, alt:V

Co-founder of a GTA V multiplayer roleplay server and contributor to backend and gameplay systems.

Education

Kielce University of Technology

B.Sc. in Computer Science

Kielce, Poland

2017 – 2021

Languages

Polish - Native

English - C1, professional working proficiency