

# Jakub Adamczyk

Senior Software Engineer

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[\*https://jakub1127.netlify.app/\*](https://jakub1127.netlify.app/)

Senior Software Engineer with 9+ years of experience leading software development projects, designing scalable system architectures, and delivering cloud-native solutions. Skilled in **Java**, **Spring Boot**, **React**, **Angular**, and **AWS** with proven expertise in system design, technical leadership, code review, DevOps practices, and performance optimization. Adept at mentoring teams, creating technical documentation, and driving measurable business impact across healthcare, finance, and e-commerce domains.

## Work Experience

### Senior Software Engineer

May 2023 - July 2025

*10Clouds | Wroclaw, Poland*

- Led frontend and backend development of healthcare platforms improving system uptime by 18% and reducing defect rates by 22% through proactive testing and code reviews, using **Java 17**, **Spring Boot 3**, **React**, and **Angular**, serving thousands of daily users.
- Provided **technical leadership** for a distributed team of six engineers, reporting directly to the VP of Engineering, with two junior engineers as direct reports.
- Designed and implemented **real-time health dashboards** using Angular, Kafka, and AWS Lambda, delivering instant insights from IoT medical devices.
- Integrated **AWS S3** and **RDS** for secure storage and reliable patient data management.
- Optimized microservices performance, reducing query latency by **35%** through code refactoring and caching strategies (Redis, ElastiCache).
- Automated CI/CD pipelines with Jenkins and AWS CodePipeline, cutting deployment times by 40%.
- Conducted **code reviews** to enforce coding standards and ensure maintainability.
- Authored **technical documentation** for APIs and migration processes, improving knowledge sharing across teams.

### Full Stack Developer

Jun 2021 - Apr 2023

*Ava Labs | New York, USA*

- Architected a scalable financial platform featuring Java, Spring Boot, Hibernate, and PostgreSQL, processing **10,000+ transactions per minute with 99.99% reliability**, and ensuring seamless data management.
- Partnered with Product Owners to refine user stories and maximize feature value.
- Strengthened security with **Spring Security, OAuth2, and JWT**, ensuring compliance with financial regulations.
- Built dynamic frontends using Angular and React, enhancing performance and maintainability.
- Designed databases with MongoDB, Oracle PL/SQL, and PostgreSQL for secure financial data handling.
- Optimized Hibernate and SQL queries, boosting system throughput by 25%.

### Full Stack Developer

Jul 2020 - May 2021

*Parity Technologies | Berlin, Germany*

- Delivered e-commerce features (Java, Spring, Hibernate), scaling to 2M users and reducing checkout abandonment by 12%.
- Reduced operational costs by **40%** with AWS Lambda-driven event processing.
- Crafted Angular-based UIs with HTML/CSS and JPA annotations for accurate domain modeling.
- Deployed apps via Docker and Kubernetes (GKE) to support large user bases.
- Introduced GraphQL for efficient data retrieval, cutting API response times by **30%**.

### Full Stack Developer

Jul 2016 - May 2020

*Flintex Consulting | Singapore, Singapore*

- Built high-load **financial data processing systems** with Spring Boot and AWS
- Developed Angular dashboards for real-time business intelligence.
- Improved fault tolerance with failover and recovery mechanisms, increasing uptime by **99.95%**.
- Optimized AWS infrastructure, lowering monthly costs by **20%**.

## Projects

### Portfolio

Present

<https://jakub1127.netlify.app/>

Showcases full-stack projects in **finance**, **healthcare**, and **e-commerce**, including scalable microservices, real-time dashboards, and cloud-native deployments.

## Core Skills

**Programming & Frameworks:** Java, Spring Boot, Hibernate, React, Angular, Next.js, TypeScript, Node.js

**Cloud & DevOps:** AWS (Lambda, S3, RDS, SQS, SNS, KMS, ElastiCache), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, CI/CD, DevOps practices

**Databases:** PostgreSQL, MongoDB, Oracle PL/SQL, MySQL, Redis

**Architecture & Practices:** Microservices, Event-Driven Architecture, RESTful APIs, GraphQL, Software Architecture, System Design, Scalability Solutions, Continuous Integration, Software Testing, Code Refactoring, Quality Assurance

**Collaboration & Leadership:** Technical Leadership, Code Reviews, Mentorship, Technical Documentation, Agile/Scrum

## Education

**Nanyang Technological University Singapore**  
**Bachelor's Degree** Computer Science

Aug 2011 - Jul 2015