

# JAKUB GALAT

FULLSTACK ENGINEER, +48696386316, JAKUB.GALAT1@GMAIL.COM

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**PROFILE** Highly competent Software Engineer with 5+ years of professional experience and over a decade of independent programming practice. Skilled in designing large-scale software architectures, debugging, and reducing operational costs while maintaining high-quality and reliable systems. Proficient in backend and infrastructure development with expertise in a wide range of technologies and methodologies. Adept at managing the full software development lifecycle, from design to deployment and maintenance.

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**SKILLS**

- **Programming Languages:** Java, Kotlin, Python, TypeScript, JavaScript, Bash, SQL, NoSQL, Haskell, Hell, Rust, Closure,
- **Frameworks/Tools:** Spring, Hibernate, React, Angular, AngularJS, Tomcat
- **Databases:** MSSQL, MongoDB, NoSQL, Snowflake, Cassandra, PostgresDB
- **DevOps & Cloud:** Kubernetes, Docker, Terraform, CI/CD (Jenkins, Bitbucket Pipelines), AWS, Grafana, Prometheus
- **Other Tools & Technologies:** Kafka, Elasticsearch, SonarQube, LaunchDarkly, Job Schedulers, SumoLogs
- **AI & ML Expertise:** Neural Networks, SVMs, GANNs, Transformers, Recommendation Systems, SARIMA
- **Software Practices:** TDD, Clean Code, Microservices Architecture, Agile/Kanban Development, JOOQ, IaC, Composition, Peer Review

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## EXPERIENCE FULLSTACK ENGINEER, GOLDMAN SACHS Warsaw, 2019-Present

- **Backend Development:** Focused on Java Spring and infrastructure optimization for large-scale financial systems.
  - **Performance Improvements:** Designed and implemented a hot standby replica architecture, reducing request times by 80%.
  - **Data Modeling:** Created complex DBMS data models and optimized queries using ORM tools.
  - **DevOps Practices:** Deployed CI/CD pipelines and managed AWS cloud infrastructure, ensuring consistent delivery.
  - **Maintenance:** Led debugging efforts on a 10-year-old legacy project, improving code quality and system reliability.
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## PROJECT HIGHLIGHTS

- **Async Event Architecture:** Designed a scalable architecture using asynchronous SQS queued events to handle computational-heavy scenarios efficiently.
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## EDUCATION B.S. IN COMPUTER SCIENCE AND ENGINEERING

Warsaw University of Technology | 2016 - 2020

- **Honors:** Chancellor's Scholarship (Top 8% of students in field, Winter 2019 & Spring 2020).
  - **Thesis:** Differential Evolution Algorithm using Artificial Neural Network as a surrogate model for loss function approximation (Python, Keras).
  - **Activities:** Member of GameDev student science club - Polygon Warsaw.
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## ADDITIONAL INFORMATION

- Proficient in English (C1 level).
- Passionate about continuous learning, problem-solving, and mentoring team members.
- Guitar and drums player, sometimes I like to sing.