

MAKSYM RYBALKIN

Senior Backend Software Engineer

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SUMMARY

Backend Software Engineer with 5+ years of experience building high-performance solutions in Java, Kotlin, and modern frameworks. Skilled in architectural design, performance optimization, and mentoring teams to drive innovation. Strong team player. Deliver scalable, reliable, and maintainable systems that improve business outcomes and user experiences. Passionate about best practices and cutting-edge tech.

STACK

Java SE (8,11,17), Kotlin (Core, Ktor, Coroutines), Spring Framework (Web, MVC, Boot, Data, Security, Cloud), ORM Frameworks (Hibernate, Jooq, MyBatis), SQL & noSQL databases (PostgreSQL, MySQL, Redis, Cassandra), Message Brokers (Kafka, RabbitMQ, NATS), Containerization Tools (Docker, Kubernetes), Cloud Tools (AWS, GCP), CI/CD tools (GitLab, Jenkins), SRE & Monitoring Tools (Grafana, Prometheus, ELK), Testing (Mockito, Junit, Spock, Spring Boot Test, Concordion, TestContainers), Architecture & Design (Microservices, Sync & Async, Event driven, Service oriented), AI Tools (GPT, Claude, DeepSeek)

EXPERIENCE

Backend Software Engineer, 'T-Bank'
Yerevan, Armenia (Hybrid)

Aug 2022 – present

Developed subscription models that enhanced customer benefits, including premium support and other bank's preferences

- Collectively attracted **1 million active customers in 1 year**, scaling to **4+ million active customers in 2 more years**.
- Introduced process improvements that **increased workflow transparency by ~20%** and **reduced task delivery time by ~20%**.
- Implemented **microservices architecture** to optimize application scalability, **reducing API response time by ~28%** and improving business operational efficiency.
- Streamlined workflows through automation, **reducing redundant processes by ~20%** and enhancing cross-team collaboration.
- Coordinated **full development lifecycle** and collaborated with cross-functional teams to ensure **99.5% system reliability** and performance.
- Mentored and trained **new engineers**, driving team expansion and **20% faster project delivery** for critical milestones.

Backend Software Engineer, 'Right Line'
Moscow, Russia (Hybrid)

Feb 2020 – Aug 2022

Developed a C2C money transfer platform and a unified gateway product to integrate banking systems, enabling seamless cross-border transactions for financial institutions.

- Collectively designed and deployed a **bank-agnostic integration system**, successfully connecting **6 local banks within 8 months** and ensuring 24/7 operational support coverage post-launch.
- Reduced bank onboarding time by **~35%** through standardized API protocols and automated compliance checks, accelerating partnership scalability.
- Engineered a **fault-tolerant transaction engine** that processed **5M+ monthly transactions** with **99.99% success rate**, minimizing settlement failures and downtime.
- Enhanced security by implementing **tokenization and end-to-end encryption**, reducing fraud incidents by **~22%** and ensuring compliance with global financial regulations (e.g., PCI-DSS, PSD2).
- Collaborated with banking partners and internal compliance teams to streamline reconciliation workflows, cutting manual error resolution efforts by **~30%**.
- Mentored junior engineers on payment gateway integrations and regulatory requirements, improving team delivery efficiency by **~18%**.

EDUCATION

Volodymyr Dahl East Ukrainian National University, Lugansk, Ukraine
Bachelor of Information Technologies

Sept 2009 – June 2013

Lugansk National Agrarian University, Lugansk, Ukraine
Bachelor of Civil & Industrial Building Engineering

Sept 2008 – June 2013