

Ilia Shalygin

+642040217000 | iliaaa377@gmail.com | devilia.org

SUMMARY

Software Engineer with 5+ years of experience developing scalable fintech systems at Sberbank (110M+ clients).

Specialized in microservices, high-load systems, and data processing (ETL, antifraud), with a strong focus on performance optimization and cloud-native architecture.

Currently focused on AI-assisted and agentic software development.

EDUCATION

Yoobee College of Creative Innovation

Master of Software Engineering

Auckland, New Zealand

July 2026 – July 2027

Higher School of Economics

Bachelor of Software Engineering

Moscow, Russia

Sept. 2019 – June 2023

EXPERIENCE

Java | Kotlin Software Engineer

Sberbank

November 2022 – July 2026

Moscow, Russia

- Migrated a mission-critical core banking system from monolith to microservices (Spring Boot, Kubernetes), handling 28M requests/day (320 RPS), improving scalability and fault tolerance
- Automated DB partitioning (PostgreSQL), reducing data cleanup effort from manual process to one-click operation
- Implemented an RTF parser based on a finite state machine for HeadHunter resumes, reducing candidate data extraction from 60 seconds to 1 second
- Designed and implemented a fault-tolerant PDF generation service using asynchronous processing (Spring Async, PostgreSQL queues), improving system reliability under high load
- Implemented configurable audit logging using Spring AOP, improving traceability and simplifying issue investigation
- Built a Git-based local repository (using JGit) as an S3-like storage for different OpenAPI configuration revisions, reducing average storage usage by 50%
- Developed ETL pipelines by converting large SQL scripts (400 lines) into Java using Apache Spark, improving maintainability and scalability

Java Software Engineer

EPAM Systems

Aug. 2021 – Nov. 2022

Moscow, Russia

- Enhanced a multi-service medical validation system, improving data accuracy and ensuring compliance with international standards
- Successfully maintained and extended a robust service responsible for generating validation templates used across the pharmaceutical industry

Java Software Engineer, Contract

Processtech

Jan. 2021 – May 2021

Moscow, Russia

- Created an extension for scoring resumes, improving the efficiency of recruitment data processing
- Gained hands-on experience in working with desktop DBMS solutions