

Professional summary

Senior developer with over 10 years' experience building server-side solutions in Java and Kotlin. Specializes in microservices, external system integration, and optimizing application and database performance. Instrumental in transitioning from monolithic to microservice architecture, and developing online banking and payment systems. Collaborates with business teams for task analysis, conducts code reviews, and performs technical interviews.

Technical skills

- **Programming Languages:** Java, Kotlin
- **Frameworks:** Spring (Boot, Security, Data, etc.), Google OR-Tools, Hibernate, Apache Airflow, Oracle ADF
- **Databases:**
 - **SQL:** Oracle, PostgreSQL
 - **NoSQL:** Redis, Elasticsearch
- **DevOps Tools:** Docker, K8S, Prometheus, Grafana, Linux
- **Microservice Architectures:** REST, gRPC, SOAP
- **Testing tools:** JUnit, Mockito, TestContainers
- **Build tools:** Maven, Gradle
- **Message Brokers:** Kafka, RabbitMQ
- **Methodologies:** Agile, Scrum

Currently studying the Flutter framework.

Education

Bachelor of Computer Engineering and Software, Almaty University of Power Engineering and Telecommunications, Almaty, Kazakhstan September 2008 - July 2013

Languages

Russian | English | Kazakh

Experience

SENIOR SOFTWARE DEVELOPER
TOP-3 FINTECH ECOSYSTEM & DIGITAL BANK
OCTOBER 2024 - PRESENT

- Developed a manual meeting redistribution service:
 - Designed and implemented APIs for real-time scheduling, forced distribution, and optimal agent matching.
 - Result: Slashed processing time from 3-7 minutes down to 20 seconds, yielding an estimated economic impact of ~10K USD.
- Engineered an automated employee scheduler (using Google OR-Tools):
 - Automated the scheduling workflow for 28,000 employees (previously handled manually by ~200 administrators over a 2-week period).
 - Result: Cut total planning time down to hours (e.g., scheduling for 70 employees now takes under 30 minutes), significantly reducing operational costs and human error.
- Scaled scheduler computation workloads:
 - Enabled horizontal scaling by running solvers in parallel on an enterprise ML/DS model production and automation platform.
- Refactored a multi-module auto-scheduling system:
 - Reduced the number of modules by 60%, introduced a clean 3-tier architecture, and optimized caching and build processes (leveraging Maven cache).
 - Result: Accelerated rebuild times to ~17 seconds for incremental builds and vastly improved codebase maintainability.
- Developed a scheduler visualization tool (Flutter):
 - Built an interactive UI to visualize algorithm steps, which was successfully showcased at the BigTechNight conference.
- Mentored developers:
 - Provided technical guidance, conducted code reviews, and championed engineering best practices across the team.

- Contributing to platform-wide VM to Kubernetes migration:
 - Participating in a global company initiative to transition to new data centers (Kubernetes-only infrastructure), driving service migration at the platform level (cross-team impact).
 - Adapting applications for containerized environments (Docker) and assisting in configuring deployments, configs, and secrets.
 - Expected Result: Enhanced fault tolerance, seamless scalability, and unified deployment processes across the entire platform.

**HEAD OF THE B2B PLATFORM DEVELOPMENT DIVISION, ONLINEBANK DEPARTMENT
JSC "HALYK BANK"
JANUARY 2024 - OCTOBER 2024**

- Tech Lead and IT leader of a tribe;
- organized and led a team of 20 developers (backend, frontend, DevOps, 1C, testers), ensuring the successful and timely completion of all tasks;
- collaborated with the business side on task analysis, which allowed for a better understanding of business requirements and optimization of the development process;
- designed the platform architecture;
- led the development and implementation of microservice architecture, ensuring its successful integration into the bank's existing systems;
- organized the development and support of APIs for integration with external systems, improving partner interaction.
- The MVP of the platform was delivered in September 2024, with deadlines met. By the end of September 2024, over 100 orders were successfully processed, totaling more than 40 million tenge.

**HEAD OF THE WEB INTERFACE AND MOBILE APPLICATION DEVELOPMENT DIVISION,
ONLINEBANK DEPARTMENT
JSC "HALYK BANK"
MARCH 2020 - JANUARY 2024**

- Managed a team of backend and frontend developers, ensuring the achievement of key performance indicators (KPI);
- implemented a monitoring system that improved response time to system errors;
- conducted technical interviews, contributing to the recruitment of qualified specialists;
- conducted code reviews, improving development quality;

- participated in solution architecture design and delivered various functionalities, including:
 - transfers by phone number (averaging 300,000 payments totaling 80 billion monthly);
 - transfers from corporate accounts to corporate cards (averaging 200,000 payments totaling 50 billion monthly);
 - transfers from a client's corporate card to any card (averaging 160,000 payments totaling 25 billion monthly);
 - integration with State Revenue Committee via SmartBridge for receipt generation (averaging 1,600 receipts totaling 65 million monthly);
 - third-factor authentication for payment signatures (enhanced payment security);
 - cloud-based digital signature encryption (improved security for issuing and using cloud-based digital signatures).

**CHIEF MANAGER OF THE WEB INTERFACE AND MOBILE APPLICATION DEVELOPMENT DIVISION,
ONLINEBANK DEPARTMENT
JSC "HALYK BANK"
JULY 2019 - MARCH 2020**

- Participated in the transition from monolithic architecture to microservices;
- developed the backend infrastructure for processing group payments, including salary payments (averaging 4,500 payments totaling 2 billion monthly), pension payments (averaging 23,000 payments totaling 450 million monthly), and social payments (averaging 13,000 payments totaling 130 million monthly);
- developed and maintained the infrastructure for sending push notifications.

**DEPUTY DIRECTOR OF THE INFORMATION TECHNOLOGY DEPARTMENT
JSC "HALYK-LIFE"
NOVEMBER 2018 - JULY 2019**

- Designing the integration between JSC "Halyk-Life" and JSC "Kazkommerts-Life," developing services for data migration between systems;
- ensuring the stable operation of automated systems and monitoring the resource provision of IT processes;
- organizing software development to address organizational tasks and overseeing compliance with deadlines, regulations, and work schedules.

**HEAD OF INFORMATION SYSTEMS DEVELOPMENT AND DESIGN DEPARTMENT
KAZKOMMERTS-LIFE, LIFE INSURANCE COMPANY
OCTOBER 2017 - NOVEMBER 2018**

- Ensuring project planning and implementation, monitoring task execution and algorithm development;

- leading the design and implementation of projects;
- investigating system maintenance issues, developing instructions and regulatory materials;
- ensuring stable system operation and prompt troubleshooting;
- managing department staff. Keep these descriptions of experience clear, concise, and relevant to the position you're applying for.

SOFTWARE DEVELOPER
KAZKOMMERTS-LIFE, LIFE INSURANCE COMPANY
JANUARY 2013 - OCTOBER 2017

- Development, refactoring, maintenance, and implementation of new functionality in an existing life insurance web application (Oracle ADF);
- working with Oracle DB: designing and developing database objects (tables, relationships, indexes, triggers, functions, procedures, packages), query optimization, including working with large datasets;
- creating and maintaining working print forms using Oracle BI Publisher.