



# Mikhail Nikitin

Kotlin / Java Developer

## Contact Information

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## Key Skills

Java  
Kotlin  
AWS  
Spring  
Kafka  
Camunda  
ElasticSearch  
Microservices

## General Information

With 4+ years in enterprise backend development, I specialize in high-load systems, AWS architectures, and microservices. Led a Kotlin cloud-based Telegram mini apps project, developed marketplace warehouse management system and financial platform. Skilled in API design, Camunda, data pipelines, and Infrastructure as Code with AWS CDK.

## Work Experience

### Aqua Elephant CTO & Lead Backend Engineer June 2024 - Present (5 months)

Spearheaded the end-to-end development of backend infrastructure for scalable Telegram mini-apps, from initial concept discussions with the founder through to full implementation. Led the design and deployment of a robust, cloud-native solution to support high availability, efficient data processing, and cost-effective scaling.

#### Key Contributions:

**Cloud Architecture & Backend Development:** Architected and implemented a high-performance backend from scratch, utilizing Kotlin, Ktor, REST/SSE APIs, DynamoDB, SQS, NATS, Redis, Sentry, ConfigCat and TestContainers. Developed and integrated a data pipeline using Apache Hadoop and AWS Glue to handle large-scale datasets efficiently.

**Infrastructure as Code:** Built and deployed the infrastructure from the ground up with AWS CDK, including services EKS, Karpenter, ElastiCache, S3, and CloudFront. Set up CI/CD

**Data & Analytics:** Created a data collection and processing pipeline with Hadoop and AWS Glue, enabling powerful data analysis and insights through Athena. Established the entire pipeline to facilitate cost-efficient event analytics.

**End-to-End Development Leadership:** Directed the architecture and implementation of both backend and frontend components, overseeing the entire tech stack, ensuring optimized user experience.

### Uzum Software Engineer October 2023 - September 2024 (1 year)

Developed high-load backend services for Uzum's warehouse management systems, which support the largest marketplace in the country and a logistics hub covering over 150,000 square meters. As one of two developers on the assembly team, I managed the backend processes for search, picking, packing, shipment, and seller returns.

#### Key responsibilities included:

**Scalable Solutions:** Designed and implemented scalable services using Java (11-17) and Kotlin within the Spring framework, leveraging Kafka, PostgreSQL, and MyBatis to ensure reliable, high-performance order fulfillment.

**Architecture Optimization:** Performed refactoring and performance optimization, enhancing the efficiency and reliability of critical workflows.

**System Integrations:** Developed integrations with holding systems and external services, ensuring seamless data exchange and operational consistency.

### Elfin Moscow Java / Kotlin Developer November 2021 - October 2023 (2 years)

Developed financial system in microservice architecture in Java/Kotlin with Camunda as the orchestrator, automating workflows and integrating seamlessly with external banking and data aggregation services. Built a specialized OCR service for bookkeeping, enabling precise document recognition and efficient data extraction.

**Stack:** Java 11-17, Kotlin, Camunda, ElasticSearch, Kafka, Postgresql.

#### Key Contributions:

- Architected a financial system using microservices and Camunda for workflow orchestration, improving scalability and operational efficiency.
- Developed an OCR service optimized for bookkeeping tasks, enhancing accuracy and speed in document processing.

### Institute of Independent Expertise and Assessment Back End Developer July 2021 - November 2022 (1 year 5 month)

Designed and developed backend architecture, implemented real-time data aggregation with PostgreSQL, and created efficient data scrapers in Python using Selenium, deployed via GitHub Actions.

### LLC Cache-register Service Software Programmer January 2021 - July 2021 (7 month)

In this capacity, I worked in close collaboration with developers, system administrators, and repair masters to ensure seamless functioning of retail businesses.

#### Few highlights of this role include:

- I implemented accounting managing logic in 1C programming language
- Administered continuous execution of services in Java
- Set up data exchange for cash register equipment and databases.
- Deployment of software to provide exceptional customer service.

## Education

**Moscow Witte University**  
Bachelor's degree, Business informatics (Digital Economics) (September 2022 - August 2026)

**GeekBrains University** – Java development

**Otus** - Kotlin for Java Professionals

**Otus** - Software Architect