

Mikhail Bushmelev

Senior Backend Developer

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Professional Summary

Results-driven Senior Backend Developer with 14+ years of experience in designing, developing, and optimizing enterprise-grade software solutions, primarily in the **banking and financial services domain**. Proven expertise in **Java 21, Spring Boot, AWS, microservices, and cloud migration**. Skilled in **Redis, PostgreSQL, Oracle SQL, and Drools**. Adept at mentoring developers, performing code reviews, and delivering high-quality, scalable backend systems. Experienced in **core banking systems, payment processing, 3rd-party vendor integrations, and API development**.

Core Skills

Languages: Java 21, Python 3, Bash, SQL, JavaScript

Frameworks: Spring Boot, Spring Cloud, OpenAPI, Drools, JUnit, Mockito, Node.js, React, Angular

Databases: PostgreSQL, Oracle SQL, Redis, AWS DynamoDB, S3

Cloud & DevOps: AWS (EC2, ECS, ECR), Docker, Kubernetes, GitLab CI, GitHub Actions, Terraform, Testcontainers

Tools: Grafana, Prometheus, Micrometer, CloudWatch, Kafka, GraphQL, Redis Streams

Security: Spring Security, JWT, OAuth2

Methods: Agile, SCRUM, TDD, DDD | **English:** Fluent

Professional Experience

Auriga Baltics UAB, Vilnius, Lithuania

Jun 2022 – Present

Software Developer

- Successfully launched the client with over 50,000 banking accounts following the core platform migration.
- Led backend development efforts within the Deposits department of a SaaS banking platform using **Java 17, Spring Boot, Drools, Redis, and AWS**.
- Implemented the scalable payment backend microservice for E-commerce product with integration of **Shopify Customer API, Apple StoreKit v2** frameworks using **Java 21 and AWS Services** infrastructure.
- Rapidly diagnosed and resolved high-priority production incidents under tight deadlines.
- Developed and integrated internal and third-party APIs (VISA, HarlandClarke, Verafin, and other vendors).
- Mentored and supported a team of 15 developers, performing extensive review of merge requests to ensure maintainable, high-quality code.

Nymbus, Inc., FL, USA

Feb 2016 – Jun 2022

Tech Lead in Deposits

- Contributed to migration of the core banking logic from legacy DIBOL to Java 11, improving maintainability and scalability.
- Contributed to successful migration from WebSphere monolith to AWS-based microservices running in Kubernetes pods.
- Implemented a unit testing strategy with **JUnit**, increasing test coverage and reducing regression defects.
- Improved release stability through CI/CD pipeline enhancements.
- Implemented business logic for **transaction processing** and **account posting** for checking, savings, CDs, and loan products.
- Collaborated closely with Technical Analysts, QA engineers, Product and Business Owners, and front-end teams to ensure seamless API integration.

Mediaspectrum, Inc., FL, USA

Oct 2012 – Feb 2016

Software Developer

- Developed a CRM platform for online advertising sales using Drools, Java 7, Oracle SQL, and Redis.
- Implemented complex pricing rules and business logic according to client requirements.
- Conducted load testing and performance optimization.

Wiley, Inc., Moscow, Russia

May 2011 – Sep 2012

QA Automation Engineer

- Developed internal QA automation platform using Java, Spring, and Selenium WebDriver.
- Created a set of automated tests, reducing sanity test execution time from several days to several hours.

Education

Bauman Moscow State Technical University, Moscow, Russia

2004 – 2010

Master's Degree in Autonomous Informational and Controlling Systems