

Vladimir Pastukhov

Senior Backend Developer - Java/Kotlin

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Senior Software Engineer with 10+ years of experience building scalable backend systems using Java, Kotlin, and Scala. Worked across fintech, banking, automotive, biotech, trading, and gaming industries, delivering microservices, cloud-native applications, and complex integrations. Experienced in system design, architecture modernization, troubleshooting and resolving production issues, production support, and the full software development life cycle in agile teams.

SKILLS

Programming Languages: Java | Kotlin | Scala | Groovy

Frameworks & Libraries: Spring Framework | Spring Boot | Spring MVC | Spring Security | Ktor | Play Framework | JOOQ | Hibernate | JUnit | Mockito

Cloud & Infrastructure: AWS (EKS, SQS, RDS, Batch, S3) | Kubernetes | Helm | Docker | Git | Linux

Data & Messaging: PostgreSQL | MySQL | Oracle | Sybase | SQLite | Elasticsearch | Apache Kafka | Redis | NoSQL | Liquibase | REST API | WebSocket

DevOps & Build Tools: Maven | Gradle | sbt | Jenkins | GitHub | GitLab | Bitbucket | SonarQube | KtLint

Monitoring & Observability: AWS CloudWatch | Grafana | Prometheus

Methodology : Scrum | Agile | Design Patterns | System Design | TDD | DDD | SOLID | DRY | Ownership | Troubleshooting | Microservices architecture

AI Tools: Claude Code

Languages: English (Fluent) | Spanish (B1) | Russian (native)

PROFESSIONAL EXPERIENCE

Genestack (biotech R&D in collaboration with JetBrains) Mar 2024 – Now

Belgrade, Serbia

Lead Kotlin Backend Developer

- Provided architectural decision-making for core platform components.
- Collaborated closely with biological domain experts to gather requirements, validate solutions, and translate domain requirements into technical solutions
- Implemented and improved the import of biological data from different sources to the inner DSL format.
- Mentored mid-level developers and led senior-level interviews
- Implemented DSL document validation and improved biological DSL.

Key Achievements:

- Accelerated biological data imports **by 10x**, reducing processing time from hours to minutes.
- Implemented modular architecture, reducing configuration overhead and deployment errors **by 2x**.

Tech stack: Kotlin, Spring Boot, Ktor, JOOQ, Hibernate, Liquibase, PostgreSQL, MySQL, AWS, AWS Batch, EKS, SNS, SQS, S3, Redis, Docker, GitHub, Claude Code, TeamCity, REST API, WebSockets, Swagger, Neo4j

Natera (biotech) Aug 2023 – Jan 2024

Belgrade, Serbia

Senior Java Developer

- Diagnosed and resolved bugs in a genetic testing data platform, improving stability and reducing recurring incidents in systems processing clinical data.
- Monitoring tools research and adaptation
- Collaborated with a distributed team across time zones to triage issues and prioritize fixes

Key Achievements:

- Reduced Mean Time To Repair (MTTR) **by 30%** through the implementation of Datadog dashboards and alerts.

Tech stack: Java 17, Spring Boot, JSP, Hibernate, Apache Kafka, MySQL, Liquibase, jQuery, Docker, GitHub Copilot, Maven, DataDog, Postman

PerfectArt (finance, KYC) Jan 2022 – Jul 2023

Belgrade, Serbia

Senior Scala / Kotlin Developer

- Scala → Kotlin migration
- Develop users' data migration to Keycloak approach
- Develop a release strategy in collaboration with the operations team
- Set up the release artifacts preparation pipeline

Key Achievements:

- Resolved versioning and branching chaos for microservices, reducing deployment errors from frequent **to zero**.
- Led a team shift to avoid mixing Scala and Kotlin in single services, eliminating related bugs from frequent **to zero**.

Tech stack: *Scala, Kotlin, Play Framework, Kubernetes, Helm, Elasticsearch, PostgreSQL, GraphQL, Liquibase, GitHub, Keycloak, JWT, Cats library*

Luxoft Aug 2019 – Jul 2021

Fintech - Mar 2020 – Jul 2021

Saint-Petersburg, Russia

Programmer

- Refactor Flash web app to Spring + Tomcat + Angular app.
- Sybase stored procedures refactoring.
- Set up Jenkins builds and deploy.

Tech stack: *Java 8, Spring Boot, Spring MVC, RESTful Web Services, Sybase, Jenkins, SonarQube, Swagger, Mockito, Maven*

Automotive - Aug 2019 – Mar 2020 Saint-Petersburg, Russia

Programmer

- Analysis of current company internal IT tools and business processes.
- Create a POC project based on Camunda BPM and Spring Boot.

Tech stack: *Java 11, Spring Framework, Camunda BPM, H2, Gradle, Bamboo, RESTful Web Services*

Sberbank (fintech) Feb 2016 – Apr 2017

Saint-Petersburg, Russia

Software Engineer

- Integration with GridGain data cache.
- Write tests.

Tech stack: *Java 8, GWT, Oracle Database, WildFly, GridGain, Java RPC*

ETNA Software (stock trading) Nov 2013 – Apr 2015

Saint-Petersburg, Russia

Java Developer

- Improvement and elaboration of backend of web stock trading app.
- Fix bugs in the trading simulation
- Test covering

Tech stack: *Java 8, Spring MVC, Git, Postman*

AionPlanet (gaming) Aug 2009 – Aug 2013

Saint-Petersburg, Russia

Java Developer

- Implementing gameplay features on the backend side.
- Improve network code.
- Create an Android health-monitoring widget for the project.

Tech stack: *Java 6, SVN, Eclipse*

EDUCATION

ITMO University – 2005 - 2010

Saint Petersburg, Russia

Bachelor degree, Information Systems and Technologies

COURSES

Kubernetes - 2025

Molecular Biology - 2025

Kotlin - 2023