

Alexey Usov

Senior Backend Developer (Java/Kotlin) | Distributed system | Payments

Warsaw, Poland | Open to Remote

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Professional Profile

Senior Backend Engineer with 7+ years of experience building production backend systems in fintech and payment integrations for global products. Strong Java background with Spring Boot, Hibernate, microservices, relational databases, REST APIs, and distributed and event-driven systems. Experienced in requirements analysis and owning backend features end-to-end, from solution design and implementation to testing, release, and production support. Strong focus on code quality, reliability, and practical engineering solutions.

Technical Skills

Languages: Java, Kotlin, SQL

Frameworks: Spring Boot, Hibernate, RxJava, Project Reactor

APIs & Protocols: REST, WebSocket, Protobuf, GraphQL

Databases: PostgreSQL, MS SQL, MongoDB, Redis, Cassandra

Messaging & Event-Driven Systems: Apache Pulsar, Kafka

Containers & Orchestration: Docker, Kubernetes

Monitoring & Observability: VictoriaMetrics, Grafana, Prometheus

Testing: JUnit 5, Mockito, MockK, Playwright (E2E), Kotlin-based integration and contract tests

Build & CI/CD: Gradle, Maven, Jenkins

DB Migrations: Liquibase

Frontend: TypeScript, Angular

AI Tools: Claude Code, ChatGPT

Professional Experience

Senior Backend Engineer | ONDE

Apr 2023 - Present

Global white-label ride-hailing platform serving transportation companies across multiple markets..

- Owned payment features end-to-end, from requirements clarification and technical design to implementation, testing, release, production monitoring, and incident investigation; authored and implemented 6+ payment integration solutions.
- Designed and delivered 10+ integrations with card payment gateways, mobile money providers, and alternative payment methods such as iDEAL and PIX across Europe, LATAM, MENA, and Africa, covering 3DS authentication, frictionless flows, recurring payments, and secure handling of payment data.

- Worked directly with payment providers through technical meetings and written communication, independently driving integration investigations, resolving production issues, and coordinating API migrations and provider-side changes.
- Modernized payment integrations by migrating Stripe from SDK-based communication to direct API integration and upgrading ZainCash to a new API version.
- Built Kotlin-based integration, mock, and contract test suites with nightly Jenkins execution, enabling earlier detection of third-party API contract changes and reducing regression risks.
- Automated 3DS authentication flows in Playwright, removing manual OTP/password steps from payment E2E tests, and optimized Jenkins test jobs from 21 to 16 minutes (~24% faster).
- Participated in regular production support rotations, triaging and prioritizing support issues, investigating logs, implementing fixes, and monitoring payment behavior after releases.

Backend Engineer | IDF Technology

Jan 2022 - Apr 2023

Fintech technology company.

- Collaborated with product teams to translate business requirements and user stories into technical designs and backend solutions.
- Designed and implemented backend services for an internal A/B testing platform using Kotlin and Project Reactor, supporting experiment configuration and evaluation of product hypotheses.

Backend Engineer | Wisercat

Nov 2021 - Jan 2022

Software development and IT services company.

- Contributed to the migration of a monolithic application to a microservices architecture.
- Developed Angular features and supported production releases in collaboration with cross-functional teams.

Software Engineer | PST Labs

Nov 2018 - Nov 2021

Software development and business process automation company.

- Collaborated with Business Analysts and customers to translate financial and business requirements into technical solutions for a credit processing platform.
- Designed and implemented risk-scoring indicators used to evaluate loan applicants against business rules within the credit pipeline.
- Contributed to backend development and requirements analysis throughout the feature lifecycle, from clarification and technical design to implementation and delivery.

Education

Vitebsk State Technological University | Engineer-Economist | 2006 - 2011

Stormnet Programming Courses | Software Development (Java Backend) | 2018

Languages

English - B2, Polish - A2, Russian - Native