

SUKHROB TOKHIROV

Senior Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience specializing in distributed systems, microservices, and high-performance database management. Expertise in Java, Spring Boot, Oracle, PostgreSQL, and cloud technologies (AWS, Docker, Kubernetes). Proven ability to optimize large-scale data processing, handling billions of records with Oracle, Cassandra, and ClickHouse. Active open-source contributor across the Spring AI and CatBoost ecosystems.

SKILLS

Backend Development: Java, Spring Boot, Spring Data, Spring (MVC, Security, Cloud), Hibernate, Microservices, JPA, REST API

Database Management: PostgreSQL, Oracle, Cassandra, ClickHouse, MongoDB, MySQL, Liquibase

Messaging & Queues: Kafka, RabbitMQ

Build & Version Control: Maven, Gradle, Git (GitHub, GitLab)

DevOps & Cloud: Linux, Docker, Kubernetes, AWS (EC2, S3, RDS, DynamoDB, Athena, Lambda, EKS, MSK), CI/CD (GitLab CI/CD, Jenkins), Terraform

Frontend & API: JS, HTML, CSS, Swagger, Postman

Engineering & Problem-Solving: Critical Thinking, Performance Optimization, Distributed Systems, System Design

PROFESSIONAL EXPERIENCE

Software Engineer — StreetPark Systems

Tashkent | April 2026 - Present

- Building and scaling the core parking management platform
- Architecting microservices infrastructure and establishing engineering best practices
- Driving technical decisions on system design, technology stack, and DevOps pipelines

Senior Software Engineer — ELEC Romania

Remote | June 2025 - Present

Senior engineer on a ride-hailing platform (Uber / Yandex Go style), owning geospatial matching, dynamic pricing, payments, and microservices infrastructure.

- Designed an H3-based geospatial driver-matching engine, replacing Redis GEORADIUS to improve nearby-driver search accuracy and latency at scale
- Built a Redis-backed surge pricing system in the geocoding service, computing demand-based price multipliers in real time
- Implemented Stripe Connect driver payouts using Separate Charges & Transfers with `transfer_group` for accurate settlement
- Engineered Firebase Cloud Messaging push notifications with per-platform priority handling (`AndroidConfig` / `ApnsConfig`) and an iOS “share my ride” Live Activity feature
- Hardened Spring Cloud Gateway against header spoofing and implemented RSA-key JWT signing via Nimbus JOSE
- Diagnosed and fixed a RabbitMQ FQCN class-mismatch causing silent message drops using `DefaultClassMapper` type mapping
- Deployed 10+ microservices to AWS EKS via GitHub Actions, with permission-based auth across Keycloak realms and automated per-service CI/CD database provisioning
- Built shared security and logging libraries with Kafka publishing; achieved 90%+ coverage with JUnit, Mockito, and integration tests

- Provisioned AWS infrastructure (EKS, EC2, RDS) with Terraform

Software Engineer — Kommo

Tashkent | Sep 2024 - Jun 2025

- Wrote Nginx configuration for various integrations in the CRM system
- Integrated Google Cloud for data storage of voice-call integrations
- Authored Kubernetes configurations for new integrations across South America and Southeast Asia
- Led the WhatsApp Cloud API team delivering new platform features
- Conducted code reviews, optimizing system architecture and team development practices
- Integrated billing and invoicing using the Stripe API
- Optimized API performance, reducing response times by 30% through query optimization and caching
- Implemented asynchronous message processing, improving queue stability and throughput
- Designed an automated monitoring system using Prometheus & Grafana, improving observability and uptime

Software Engineer — ECMA

Tashkent | Dec 2022 - Sep 2024

- Developed LMS systems for private universities
- Engineered CRM integrations with platforms like AmoCRM and Bitrix24
- Led database migrations with Liquibase, ensuring stability during project evolution
- Engineered a distributed system managing payment records using Oracle and ClickHouse
- Implemented Redis caching to optimize performance and ensure seamless operations
- Integrated Face ID devices for secure authentication
- Conducted code reviews and documentation analysis

Software Engineer Intern — ECMA

Tashkent | Sep 2022 - Dec 2022

- Fixed 50+ bugs on an online educational platform
- Implemented Spring microservices and Spring Cloud configuration for a new LMS platform
- Worked with transactional data handling

OPEN SOURCE CONTRIBUTIONS

- **spring-ai** — Contributed small fixes and improvements, and provided design suggestions for upcoming milestones.
- **catboost** — Contributed to the Python API.
- **spring-ai-session** — Currently building a semantic memory tier, drawing on best practices from memory architectures such as MemGPT, Mem0, OpenClaw, and CrewAI.

EDUCATION

Java Backend Development — PDP Academy, Tashkent (Nov 2021 - Aug 2022)

Spring Boot, Microservices, SQL & NoSQL databases, REST APIs, CI/CD pipelines; hands-on projects with Docker, Kafka, and distributed systems.

BS in Computer Science — PDP University, Tashkent (Feb 2023 - Present)

INTERESTS

Volleyball, Skiing, Table Tennis, Vlogging