ABHISHEK KUMAR

Java Backend Developer | Spring Boot | Kafka | Redis | Microservices

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LinkedIn | GitHub | Portfolio | LeetCode

PROFESSIONAL SUMMARY

Java Backend Developer with 2+ years of experience building Spring Boot microservices, REST APIs, event-driven workflows, and real-time services for e-commerce and last-mile delivery systems. Skilled in Java, Kafka, Redis, MySQL, Cassandra, Docker, Jenkins, and AWS. Solved 200+ problems on LeetCode, with a strong foundation in Data Structures and Algorithms (DSA).

TECHNICAL SKILLS

Languages: Java 17/21, Python, SQL
Frameworks: Spring Boot, Spring Data JPA, Hibernate, Spring Security, Spring WebFlux, Spring AOP
Backend: REST APIs, Microservices, Event-Driven Architecture, JWT, RBAC, WebSocket, OpenAPI
Databases: MySQL, PostgreSQL, Apache Cassandra, SQL Query Optimization
Messaging & Caching: Apache Kafka, Redis, Cache-Aside, Write-Through Caching, Redis Lua
Cloud & DevOps: Docker, Kubernetes, Jenkins CI/CD, AWS S3, AWS EC2, ELK Stack, Prometheus, Grafana, Git
Testing & Tools: JUnit 5, Mockito, Postman, Swagger, OpenAPI, JIRA, Agile/Scrum

PROFESSIONAL EXPERIENCE

Backend Software Engineer — Speedbae Digital Pvt. Ltd. | Jul 2024 – Present | Remote

Developed backend services for Exotyq, an artisan marketplace for client EDCCTS. shop.exotyq.com

- Order APIs: Developed order-lifecycle and rider assignment APIs using Java 17, Spring Boot, Spring Data JPA, and MySQL; optimized JPA query fetching to address N+1 query patterns and improve database access efficiency.
- Catalog Caching: Implemented Redis cache-aside for catalog endpoints and stock-update handling to reduce repeated database reads and keep inventory data consistent.
- Webhook Processing: Developed Kafka-based Shopify webhook consumers for order and refund events, with idempotent processing and dead-letter handling for failed events.
- Catalog Ingestion: Automated vendor product-feed ingestion, reducing manual catalog onboarding effort.
- Real-Time Rider Tracking: Implemented Cassandra storage for rider GPS updates and WebSocket-based order updates for real-time tracking workflows.
- CI/CD: Containerized services with Docker and configured Jenkins pipelines for repeatable builds, deployments, and rollback workflows.

Technologies: Java 17, Spring Boot, Spring Security, Apache Kafka, Redis, MySQL, Cassandra, Shopify Webhooks and APIs, Docker, AWS S3, WebSocket, Jenkins, ELK Stack

Java Developer Intern — Speedbae Digital Pvt. Ltd. | Nov 2023 – Jan 2024 | Jamshedpur, India

- Developed and tested Spring Boot REST APIs for order and rider modules using Spring Data JPA, JUnit 5, and Mockito, covering edge cases and regression scenarios.
- Implemented JWT authentication filters for protected endpoints, documented APIs with Swagger/OpenAPI, and configured Jenkins CI test runs.

PROJECTS

PulseGate — Distributed API Gateway | github.com/abhishek2k21/pulsegate

Built a reactive Spring WebFlux API gateway that maintains rate-limit accuracy across multiple replicas using atomic Redis Lua scripts for token-bucket, sliding-window, and fixed-window algorithms. Added a Redis-backed adaptive circuit breaker, live WebSocket dashboard, and Prometheus/Grafana observability. Used Artillery to test throughput, latency, and rate-limiting behavior.

Technologies: Java 17, Spring Boot 3.2, Spring WebFlux, Redis, Kafka, PostgreSQL with R2DBC, Prometheus, Grafana, Docker, Kubernetes

HandOff — AI Agent Supervision Platform | GitHub

Building a platform for teams to monitor AI agents handling customer-support tickets in real time, steer agent actions, enforce approval gates, and maintain an audit trail. Includes JWT authentication, role-based access control, refresh-token rotation and reuse detection, Redis-backed rate limiting, and single-use WebSocket tickets. Frontend coordinates token refresh across browser tabs using the Web Locks API.

Technologies: Java 21, Spring Boot 3 MVC, Spring Security, PostgreSQL 16, Flyway, Redis 7, React 19, TypeScript, Vite, Tailwind CSS v4, Docker Compose

Cognitive API Agent | Project

Built a Python tool that converts plain-English instructions into validated REST API calls using schema checks, structured validation, and a confirmation step before execution. **Technologies:** Python, Streamlit, OpenAI APIs, Pydantic-AI

EDUCATION

Bachelor of Technology in Computer Science and Engineering | Oct 2020 – Jun 2024 | Chaibasa Engineering College, Jharkhand, India | CGPA: 7.93 / 10.0
Certifications: Java Programming — Intellipaat, 2023 | Walmart Advanced Software Engineering — Forage, 2024