

Shubham Vijaykumar Dongare

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PROFESSIONAL SUMMARY

Backend Engineer with 3+ years of experience building **microservices** and **event-driven systems** using **Java 17, Spring Boot 3, Kafka, Redis, and Docker**. Proven track record in banking, logistics, and SaaS domains with focus on API development, performance optimization, and system reliability.

EXPERIENCE

Software Engineer, Capgemini — Pune Sept 2023 – Present

Financial Services — Retail Banking Transactions

- Built Java 17 + Spring Boot 3 microservices for transaction processing, improving efficiency by 40% through optimized queries and async processing.
- Designed event-driven pipelines using Kafka + Schema Registry with Hexagonal Architecture for reliable message flows across 15+ services.
- Implemented Transactional Outbox pattern with Hibernate to ensure consistent database-to-event delivery.
- Reduced notification latency by 50% by implementing Redis caching with TTL-based invalidation strategies.
- Secured RESTful APIs with Spring Security, JWT, OAuth 2.0, and RBAC, meeting compliance requirements.
- Refactored legacy monolith into 12 microservices following Domain-Driven Design principles, reducing deployment time by 60%.
- Set up monitoring with Prometheus, Grafana, and ELK Stack, achieving 99.9% uptime.
- Optimized CI/CD pipelines using Docker, Jenkins, and Kubernetes, reducing build time from 2 hours to 15 minutes.

Software Engineer (Independent Contractor, Remote) Aug 2022 – Aug 2023

- Developed backend modules for retail and logistics platforms using Spring Boot, Hibernate, MySQL, and Redis.
- Built secure REST APIs with JWT authentication, OAuth 2.0, RBAC, and multi-tenant data isolation.
- Created offline-first data sync using scheduled jobs and conflict resolution for distributed systems.
- Containerized services with Docker and automated deployments on AWS EC2 using GitHub Actions.
- Implemented Prometheus + Alertmanager monitoring for proactive issue detection.

KEY PROJECTS

IntelStream – Real-Time Market Intelligence GitHub

Java 17, Spring Boot 3, Kafka, Redis, WebSocket

- Built market data pipeline processing 100K+ events/sec using Kafka partitioning and Redis caching.
- Implemented technical indicators (RSI, Moving Averages) with Strategy Pattern for extensibility.
- Applied CQRS pattern for read/write separation, delivering sub-millisecond query performance.

TransitFlow – Event-Driven Logistics Platform GitHub

Spring Boot, Kafka, Redis, MySQL, Docker

- Developed an event-driven logistics platform orchestrating shipment lifecycle (ORDERED → RESERVED → DISPATCHED → DELIVERED) using Kafka event streaming with guaranteed message delivery.
- Ensured fault-tolerant state transitions leveraging the Transactional Outbox Pattern.
- Boosted tracking speed by 70% through Redis-backed caching and real-time WebSocket updates.

NexuInv – Enterprise Inventory Management GitHub

Java 17, Spring Boot 3, Redis, PostgreSQL

- Designed inventory service using Hexagonal Architecture with event-driven updates.
- Implemented thread-safe operations with optimistic locking, CQRS, and AOP metrics.
- Added Circuit Breaker (Resilience4j), MapStruct mappings, and audit logging.

TECHNICAL SKILLS

Languages: Java 17, Java 11, Java 8

Frameworks: Spring Boot 3.x, Spring Boot 2.x, Spring Security, Spring Data JPA, Hibernate ,REST APIs, React

Messaging & Caching: Apache Kafka, Redis, RabbitMQ

Architecture: Microservices, Event-Driven Architecture, CQRS, Domain-Driven Design, Clean Architecture

DevOps: Docker, Kubernetes, Jenkins, GitHub , AWS (EC2, S3, RDS)

Databases: MySQL, PostgreSQL, Redis

Monitoring: Prometheus, Grafana, ELK Stack

Tools: Git, Maven, Swagger, Postman, JUnit, Mockito, IntelliJ IDEA,Jira, Confluence

EDUCATION

B.E. in Information Technology, JSPM's BSIOTR, Pune

2018 – 2022

CGPA: 8.89 / 10