

Ayaan Sharma

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SUMMARY

Backend engineer with 7+ years of experience designing and building high-performance distributed systems using Java and the Spring ecosystem. Experienced in microservices, cloud-native applications, event-driven architecture, and database optimization. Strong focus on clean architecture, scalability, observability, and automated testing.

EDUCATION

Global Institute of Technology

Bachelor of Engineering (Computer Science), CGPA: 8.6/10

2014 – 2018

EXPERIENCE

Senior Java Backend Engineer

March 2023 – Present

Nova Commerce Technologies

- Designed and developed 15+ Spring Boot microservices supporting over 5 million monthly users.
- Reduced average API response time from 420 ms to 130 ms through query optimization and Redis caching.
- Introduced Kafka-based asynchronous workflows, reducing order processing latency by 60%.
- Implemented distributed tracing using OpenTelemetry.
- Led migration from a monolithic application to Kubernetes-based microservices.
- Improved CI/CD pipeline, reducing deployment time from 25 minutes to under 8 minutes.
- Mentored five junior engineers and conducted architecture reviews.
- Technology Stack: Java 17, Spring Boot, Kafka, PostgreSQL, Redis, Kubernetes, Docker, AWS, Jenkins

Java Backend Engineer

June 2020 – February 2023

DigitalPay Solutions

- Built secure payment APIs handling over 30 million transactions annually.
- Implemented JWT and OAuth2 authentication using Spring Security.
- Optimized database indexing, improving reporting performance by 45%.
- Developed fraud detection rules using event-driven processing.
- Increased automated test coverage from 52% to 91%.
- Technology Stack: Java 11, Spring Boot, Hibernate, PostgreSQL, RabbitMQ, Docker

Software Engineer

July 2018 – May 2020

BlueWave Systems

- Developed RESTful APIs for logistics and shipment tracking.
- Built scheduled background jobs for warehouse synchronization.
- Integrated third-party shipping providers.
- Participated in Agile Scrum ceremonies and production support.
- Technology Stack: Java 8, Spring MVC, MySQL, Maven, Jenkins

PROJECTS

Inventory Management Platform | Designed a distributed inventory service supporting multiple warehouses with eventual consistency using Kafka. Reduced inventory synchronization failures by 70%.

Real-Time Notification Service | Developed an event-driven notification platform capable of sending more than 250,000 notifications per hour through email, SMS, and push channels.

API Gateway Modernization | Migrated legacy REST endpoints to Spring Cloud Gateway with centralized authentication, rate limiting, and observability.

TECHNICAL SKILLS

Java 8, 11, 17

Kotlin

SQL

Bash

Spring Boot

Spring MVC

Spring Security

Spring Data JPA

Hibernate

Spring Cloud

REST APIs

Microservices

Event-Driven Systems

Domain-Driven Design (DDD)

CQRS

Hexagonal Architecture

Apache Kafka

RabbitMQ

PostgreSQL

MySQL

MongoDB

Redis

Elasticsearch

Docker

Kubernetes

AWS (EC2, ECS, RDS, S3, CloudWatch)

Jenkins

GitHub Actions

Terraform

JUnit 5

Mockito

Testcontainers

WireMock

Prometheus

Grafana

ELK Stack

OpenTelemetry

CERTIFICATIONS

Oracle Certified Professional: Java SE 11 Developer

AWS Certified Developer – Associate

Certified Kubernetes Application Developer (CKAD)

ACHIEVEMENTS

- Employee of the Year (2024) - Reduced cloud infrastructure costs by approximately 28% through resource optimization. - Led migration of 60+ services from Java 8 to Java 17. - Speaker at internal engineering conferences on microservices and performance optimization.

LANGUAGES

- English (Professional) - Hindi (Native)

INTERESTS

- Distributed Systems - Cloud Architecture - Open Source Development - Performance Engineering