

Shubham Bhati

Java Backend Engineer | Spring Boot | Microservices | Apache Kafka | Redis
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Professional Summary

Java backend engineer with 3+ years of experience across fintech, enterprise SaaS and healthcare. Designed and implemented 3 microservices alongside an existing payment monolith, a UPI wallet system with a double-entry ledger and cut payment API latency by 35% by fixing Kafka consumer lag. Experienced in Java, Spring Boot, Kafka, Redis, SQL/NoSQL databases and distributed backend systems.

Work Experience

MobilePe Fintech Private Limited

Java Backend Engineer

Jun 2026 - Present

Noida, Uttar Pradesh, India

- Cut payment API latency by 35% by moving synchronous database writes off the Kafka listener thread, then tuning consumer concurrency, thread-pool sizing and connection pooling to clear a production backlog.
- Designed and implemented 3 new microservices (**onboarding-service**, **payment-service** and **notification-service**) alongside the existing payment monolith, bridging the two with compatibility endpoints for a gradual migration.
- Implemented UPI registration and wallet workflows with M2P, using idempotency keys and database locking to prevent duplicate or conflicting transactions, with a double-entry ledger and hold-then-settle processing for safer transaction recovery.
- Built a KYC verification pipeline (Aadhaar, PAN and VCIP checks) with AES-256-GCM encryption and blind indexing, so records stay searchable without exposing raw data.
- Added retry-and-dead-letter handling on Kafka consumers in notification-service and removed webhook credentials from Kafka events entirely, closing a credential-exposure path.

AlignBits LLC

Software Engineer (Promoted from Jr. Software Engineer)

Sep 2024 - May 2026

Dubai, UAE (Remote)

- Cut manual debugging time by 30% by connecting the OpenAI API to automatically catch and fix errors in transformation scripts.
- Set up Docker containers and GitHub Actions CI/CD pipelines so new features could ship faster.
- Built an orchestration engine using RabbitMQ for message routing, payload transformation and split/merge workflows across enterprise integrations.
- Added JWT and OAuth 2.0 authentication across 5 microservices to secure their REST API endpoints.

IHX Private Limited

Associate Software Engineer

Jun 2023 - Aug 2024

Bengaluru, India

- Cut response times by 40% by fixing N+1 query loops, adding MySQL indexes and adding Redis caching.
- Built backend payload transformation engines in Java 11 and MongoDB to process healthcare claims daily.
- Built validation pipelines with Spring Data JPA and custom exception handling to keep medical records accurate.

Technical Skills

Languages & Core: Java (8/11/17/21), Object-Oriented Programming (OOP), SOLID Principles, Design Patterns, Data Structures and Algorithms, Concurrency

Frameworks & Architecture: Spring Boot 3.4+, Spring Security, Spring MVC, Spring Data JPA, Microservices Architecture, API Gateway, Event-Driven Architecture, Distributed Systems, JUnit, Mockito

Databases & Caching: PostgreSQL, MySQL, Redis, MongoDB, Hibernate ORM, Database Query Optimization, Database Locking

APIs & Messaging: RESTful APIs, Apache Kafka, M2P UPI Integration, RabbitMQ, Idempotency & Retry/DLQ Handling, JWT Authentication, OAuth 2.0, OpenAPI (Swagger)

DevOps & Cloud: AWS (EC2, S3, RDS), Docker, Docker Compose, Git, CI/CD, GitHub Actions, Maven, OpenTelemetry, Distributed Tracing

AI & Automation: OpenAI API, Gemini API, Prompt Engineering

Education

Masai School

Software Engineering Program (Java Backend Specialization)

2022 - 2023

Bengaluru, India

Devi Ahilya Vishwavidyalaya

Bachelor of Commerce (B.Com)

2019 - 2022

Indore, India