

RAVI KUMAR

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Bengaluru, India

Senior Java Backend Engineer

- 4+ years of experience designing and developing scalable backend systems for fintech and enterprise platforms. Proven track record in microservices architecture, distributed systems, and cloud-native development.
- Strong expertise in Spring Boot, Kafka, and AWS with experience building systems handling high-volume transactions and complex business domains including global workforce management and banking.

Technical Expertise

- **Programming:** Java 8/11/17, Python, SQL, TypeScript
- **Databases:** PostgreSQL, MySQL, Redis, MongoDB, DynamoDB
- **Cloud & DevOps:** AWS (EC2, ECS, S3, RDS), Docker, Kubernetes
- **Frameworks:** Spring Boot 3, Spring Cloud, Hibernate, JPA
- **Messaging:** Apache Kafka, RabbitMQ, AWS SQS/SNS
- **Architecture:** Microservices, Event-Driven, REST APIs, Caching

Professional Experience

Papaya Global

Bengaluru, India

Software Development Engineer II

Oct 2024 – Present

- Architected and developed the global worker onboarding platform serving 120+ countries, handling complex international compliance and document verification workflows
- Designed event-driven microservices architecture using Spring Boot and Kafka, processing 5000+ worker onboarding requests monthly with 99.9% reliability
- Implemented multi-country compliance engine validating employment laws, tax regulations, and document requirements across different jurisdictions
- Built real-time document processing pipeline integrating with OCR services and government APIs for automated identity verification and background checks
- Developed configurable workflow engine supporting country-specific onboarding processes with dynamic form generation and approval workflows
- Optimized system performance through Redis caching and database partitioning, reducing onboarding completion time from 2 weeks to 3 days

UNO Digital Bank

Bengaluru, India

Software Development Engineer II

Apr 2023 – Sep 2024

- Developed core banking APIs serving thousands of customers with OAuth2 security, handling high-volume transaction processing
- Engineered transaction processing system using Camunda BPMN and Kafka, significantly reducing loan application processing time
- Implemented comprehensive caching strategy with Redis, improving API performance and reducing database load
- Built KYC verification system with external API integrations, automating document validation processes
- Applied resilience patterns and circuit breakers for robust third-party service integrations

Cozeva

Kolkata, India

Software Development Engineer I

Sep 2021 – Apr 2023

- Designed and built ETL pipelines for healthcare data processing using Spring Batch and Kafka Streams
- Developed analytics APIs with GraphQL, optimizing data retrieval for complex healthcare reporting
- Optimized PostgreSQL performance through strategic indexing and query optimization techniques
- Implemented data validation framework with extensive business rules, ensuring data quality for compliance reporting
- Established monitoring and alerting systems for proactive incident management

Key Projects

- **Global Worker Onboarding Platform:** Led architecture and development of microservices platform for international worker onboarding with compliance automation and document processing
- **Digital Banking System:** Built core banking APIs and transaction processing for customer-facing banking applications
- **Healthcare Analytics Platform:** Developed data processing and reporting system for healthcare compliance and analytics

Education

RCC Institute of Information Technology

Kolkata, India

B.Tech in Computer Science & Engineering

2017 – 2021