

AMBIKA PRASAD PARIDA

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Summary

Backend Developer with 3+ years of experience building scalable microservices, event-driven systems, and high-performance APIs. Strong expertise in Java, Spring Boot, Spring Cloud, AWS, with hands-on experience in Kafka, gRPC, Angular, and database optimization. Proven experience delivering secure solutions across fintech, healthcare, and telecom domains.

Education

Gandhi Engineering College

Bachelor of Technology

2017 - 2021

Bhubaneswar, India

Professional Experience

Ikontel Solutions Pvt. Ltd.

Feb 2023 - Present

Software Engineer

Bangalore, India

- Developed 10+ Spring Boot microservices, deployed on AWS ECS with Docker
- Reduced IVR/CRM latency by 5-10 ms through optimized REST APIs and client-side load balancing (Ribbon)
- Built Asterisk AGI Java services for intelligent call routing and IVR workflows
- Integrated diagnostic machines using HL7/ASTM for real-time LIS machine data processing
- Improved database performance by 45-60% via indexing, normalization, and query optimization
- Mentored 4 junior developers, improving delivery speed by 20%

Projects

Swiggy Campaign Analytics Portal | Spring Boot, Kafka, MySQL, AWS, Docker, Angular

Sept 2025 - Present

- Built a Spring Cloud-based microservices platform generating 1k+ monthly leads
- Implemented Eureka Server, all microservices registered as Eureka clients for dynamic discovery
- Built Angular dashboard visualizing real-time campaign performance and lead metrics via REST APIs
- Designed Kafka event-driven architecture: Campaign Service as producer to campaign-transactions topic
- Dashboard Service, WhatsApp & SMS Services as consumer for real-time analytics using Kafka Streams
- Migrated database from PostgreSQL to MySQL with zero data loss using dual-write strategy
- Reduced report generation time from 30 seconds to under 10 seconds via query optimization and caching

Gen AI Bot Call Engine | Spring Boot, gRPC, Kafka, AWS ECS, mTLS, OpenAI, Eureka

Oct 2024 - Apr 2025

- Developed a voice-based banking assistant handling 10k+ daily customer interactions using Spring Boot
- Implemented Eureka service registry for dynamic discovery between Voice Assistant, Payment Service, and Notification Service
- Established bi-directional gRPC streaming with Protocol Buffers for real-time voice and payment processing
- Integrated Kafka for event streaming. Voice events published to call-events topic, Notification Service consumed events for SMS/email alerts
- Admin Dashboard consumed events for live monitoring and OpenAI-powered call summaries
- Secured service-to-service communication with Spring Security

IVR Complaint System for Utilities | Core Java, MySQL

2023

- Developed IVR complaint register system where Java integrated with asterisks for backend logic
- Built in Core Java using multithreading services, reducing tele-caller interventions by 80%

Technical Skills

Languages & Frameworks: Java, Python, SQL, JavaScript, Spring Boot, Spring Cloud (Eureka), Spring Data JPA, Spring Security, Angular

Databases & Tools: MySQL, PostgreSQL, Postman, JUnit, Asterisk AGI

Cloud & DevOps: AWS (EC2, ECS, RDS, S3), Docker, Git, Maven

Messaging & APIs: Kafka, gRPC, REST APIs, HL7, ASTM, mTLS

Certifications & Achievements

HackerRank: 5-Star Gold Badge in Java & SQL, Certified in Java, SQL, JavaScript