Abhisek Kumar Panda

abhitz1234@gmail.com | +91-775-1938-206 | LinkedIn | LeetCode | Bitbucket

Professional Summary

Summary: Java Backend Developer with **3+ years** of experience building production-grade **Java 17, Spring Boot, Spring Cloud, Microservices, REST APIs**, and event-driven systems. Experienced in **distributed systems, messaging, databases, JVM optimization, secure development, production support, DevOps, and system design**, with hands-on AWS fundamentals.

Experience

Asiczen Technologies **June 2023 – Present**

Software Developer

AZTRACK (GPS Tracking Solutions)

- **Backend & Microservices**: Developed production services using **Java 17, Spring Boot, Spring Cloud, REST APIs, Microservices, Eureka**, and event-driven architecture for GPS/device management.
- **Distributed & Real-Time Systems**: Implemented **RabbitMQ, Kafka, Redis, WebSocket, and SSE** for asynchronous processing and real-time tracking of **1,000+ devices**.
- **Performance & Reliability**: Applied multithreading, caching, and JVM optimization techniques, improving **system reliability by 28%** and reducing **latency by 20%**.
- **Security & Production Support**: Implemented **Spring Security, JWT, SSL/TLS**; troubleshot production issues, optimized APIs, and supported reliable application releases.
- **Production Engineering**: Applied **system design, performance tuning, and production troubleshooting** to maintain reliable services under high-volume real-time workloads.

Device Management

- **System Design & Leadership**: Prepared **FSDs**, translated requirements into technical workflows, and coordinated a **7-member team** across backend, frontend, QA, and deployment activities.
- **Code Quality**: Used **SonarQube** for static code analysis to improve code quality, maintainability, and secure development practices.
- **DevOps & Production**: Configured **Docker, Jenkins, NGINX, SSL/TLS, and Linux** environments and supported production releases, troubleshooting, and deployment activities.
- **Architecture & Code Quality**: Contributed to **microservices design, API development, and SonarQube-based code quality checks** while supporting production releases.

Document Management System

- **Backend & AI**: Built services using **Python, FastAPI, SQLModel, PostgreSQL, Celery, Redis**, and integrated a **RAG-based chatbot** using Qdrant and MinIO.
- **Testing**: Developed **Playwright E2E tests** and deployed containerized services using Docker, improving application reliability and release confidence.
- **Scalable Architecture**: Applied **microservices, asynchronous processing, and API design** to build scalable document-processing workflows.

Projects

JVM Performance Lab

- **Performance Engineering**: Built a Java Spring Boot performance environment using **G1GC, Docker, Prometheus, Grafana, Actuator, and JMeter** to analyze JVM memory, GC behavior, thread contention, latency, and throughput under load.
- **Production Optimization**: Analyzed **GC behavior, memory usage, thread contention, and application metrics** to identify bottlenecks and improve system performance and operational stability.
- **Load Testing & Analysis**: Simulated production workloads using **JMeter** and compared performance metrics before and after JVM tuning to validate improvements in latency, throughput, and resource utilization.

Skills

Languages: Java, SQL, Python, Data Structures & Algorithms

Frameworks: Spring Boot, Spring Cloud, Microservices, REST APIs, Maven, React.js

System Design: HLD, LLD, Design Patterns, Event-Driven Architecture

Tools: Git, Bitbucket, Docker, Jenkins, SonarQube, Kafka, RabbitMQ, Redis, Elasticsearch, Keycloak, JMeter, NGINX, SSL, Playwright, JUnit, Mockito

Platforms: Linux, Windows, AWS

Engineering: System Reliability, Observability, Problem Solving, Requirement Analysis, Production Support, Team Leadership, Agile/Scrum

Achievements

DSA: Solved **150+ problems** on LeetCode and contributed solutions on GeeksforGeeks.

Recognition: Google Crowdsource certified contributor (2020); participated in State-Level C-MARATHON 2019.

Education

Gandhi Engineering College Bhubaneswar, Odisha

B.Tech. in Electrical and Electronics Engineering, CGPA: 7.27 **Jul 2016 – Jun 2020**