

Putha Chenna Kesava Reddy

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Summary

Java Backend Developer with 2.4 years of hands-on experience in building and scaling microservice-based architectures using Java, Spring Boot, and AWS. Expertise in designing event-driven and distributed systems, optimizing API performance, and ensuring high system availability. Strong foundation in DSA, system design, and multithreading. Passionate about developing robust, production-ready software that delivers measurable business impact.

Skills

Languages: Java (Core & Advanced), Python, SQL, C

Frameworks: Spring Boot, Spring MVC, Spring Data JPA, Hibernate, REST APIs, Microservices

Cloud/DevOps: AWS (EC2, S3, Lambda, SQS, SNS, RDS), Docker, Jenkins

Databases: MySQL, PostgreSQL, Redis

Practices & Tools: Git, Maven, IntelliJ, Agile/Scrum, Design Patterns (SOLID, OOP, DSA)

Work Experience

Empower, Bangalore Jul 2023 – Present

Software Engineer Feb 2024 – Present

- Designed and implemented API-driven workflows using Spring Boot & AWS S3, improving document ingestion speed by 25% across 15K+ monthly uploads.
- Refactored file-processing architecture into an asynchronous, queue-based model using AWS SQS, eliminating concurrency issues and increasing throughput.
- Introduced a lock-file mechanism to manage parallel job executions, ensuring reliable and conflict-free batch processing.
- Implemented AWS SES-based notification system for document delivery, improving communication efficiency for 1K+ daily emails.

Associate Software Engineer Jul 2023 – Feb 2024

- Built an automated EC2 monitoring & recovery system using AWS Lambda & CloudWatch, minimizing downtime by 30%.
- Developed auto-restart workflows and SNS alert systems, improving system reliability and saving 15+ engineer hours/week.
- Improved microservice response times by 15% through caching and connection pooling enhancements using Spring Cache + Redis.

Education

Presidency University, Bangalore Aug 2019 – Jun 2023
B.Tech in Computer Science and Engineering CGPA: 9.06 / 10

Projects

- Movie Ticket Booking Platform (2023) Java, Spring Boot, MySQL, JWT, AWS EC2
 - Built a RESTful booking platform supporting 10K+ monthly transactions with JWT-based authentication and role-based access control.
 - Implemented scalable database schema and connection pooling for efficient performance under concurrent traffic.
- Thread-safe API Rate Limiter (2024) Java, Redis, Multithreading, AWS EC2
 - Developed a distributed Token Bucket algorithm to control API rate limits with thread safety.

Achievements

- Solved over 700+ coding problems across LeetCode, GFG, and HackerRank, strengthening algorithmic skills.
- Completed Java and AWS Cloud Practitioner certifications.