Santheesh A

santheeh16@gmail.com | 959-751-6993 | github.com/santheesh16 | linkedin.com/in/santheesh16

Profile Summary

- Software Engineer with 3 years of experience in designing and developing scalable, high-performance applications using Java, Spring Boot, ReactJS, and microservices architecture.
- Passionate about problem-solving, system design, and writing clean, maintainable, and testable code following best practices and SOLID principles.
- Skilled in applying data structures and algorithms to address real-world challenges with a focus on efficiency, scalability, and performance.
- Eager to contribute to a fast-paced, high-impact product team that values innovation, continuous learning, and engineering excellence.

Education

KPR Institute Of Engineering Technology   Aug 2018 – May 2022
BE in Computer Science and Engineering - CGPA: 8.1/10

Technologies

Programming Languages: Java, Python, JavaScript

Web & Frameworks: Spring Boot, React.js, Tailwind CSS

Architecture & Patterns: Microservices, REST APIs, SOLID Principles, Design Patterns

Databases: PostgreSQL, MySQL, MongoDB, Redis

Messaging & Streaming: Apache Kafka

DevOps & Tools: Git & GitHub Actions (CI/CD), Docker & Kubernetes, Postman, Maven

Cloud & Platforms: AWS, GitHub, Linux

Experience

Member Technical Staff, Zoho – Coimbatore, TN   May 2022 - Present

High-Performance Notification Framework

- Engineered a distributed notification system supporting **SMS, browser pop-ups**, and **email notifications**, using **Kafka for asynchronous event handling** and **Redis** for temporary data storage and delivery optimization.
- Supported **cross-product integration by exposing configurable endpoints** and worked closely with **API** and DevOps teams to ensure seamless deployment.

Microservices-Based API Traffic Management

- Designed and implemented scalable microservices in Java (Spring Boot) to **manage diverse API traffic** types including **REST API, Graph API**, and **SCIM, with support for pagination, rate limiting**, and custom response handling.
- Ensured consistent **API consumption across internal** and third-party clients by designing reusable modules and enforcing interface contracts.

Quality Handling for Integration Apps:

- Partnered with the QA team to **develop and write automation scripts** for integration applications, ensuring high-quality standards and optimal performance.

Project Trainee, Zoho Internship – Coimbatore, TN   April 2022 – May 2022

- Developed a ticket booking app using **Java, JSP, jQuery**, and MySQL with JAAS authentication.
- Ensured high availability by handling **bulk data using PostgreSQL Multi-Master Replication**, following clean code and best practices.

Projects

UPI Expense Tracker AI

- Built an AI-driven expense management platform using **ReactJS, Spring Boot microservices, Kafka, Redis** , and **Elasticsearch**; deployed on **AWS EC2 with Docker Kubernetes**, secured via **OAuth2/JWT**, enabling real-time UPI transaction classification and insights.

AI ChatPDF

- Developed an AI-powered PDF Q&A tool using **React.js, Next.js**, and **OpenAI API**. Implemented semantic search with **PineconeDB for context-aware retrieval**, and integrated **AWS S3 for secure PDF storage**.
- Enabled users to **query uploaded documents in natural language** with GPT-based responses.

Relevant Coursework

- Agile Project Management(Udemy)
- MERN Stack Web Development(Udemy)

- Distributed System
- Docker & Kubernetes(Udemy)