

# Raju Methuku

Senior Fullstack Engineer (Java/React)  
Scalable Microservices Architect & AI Automation Expert

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## TECHNICAL SKILLS

**Senior Fullstack Developer** – 10 years of experience in Microservices & Distributed Systems Architecture

**Languages:** Java (8/11/17), JavaScript/TypeScript, Python, Kotlin & Scala (familiar)

**Frameworks & Libraries:** Spring Boot (2.x - 3.x), Spring Security (JWT, OAuth), React.js, Node.js, Dialogflow

**Architecture & System Design:** Microservices, REST APIs, Event-driven architecture, Kafka, Redis, API Gateway, Distributed Locks, High Availability, Horizontal Scalability

**Databases:** MySQL, PostgreSQL, SQL Server, MongoDB

**Cloud & DevOps:** Kubernetes (private/public cloud), Docker, GitLab CI/CD, AWS

**Observability & Monitoring:** Prometheus, Grafana, Tempo, OpenTelemetry, Kibana

**Testing:** JUnit, Jest, Mockito, Cucumber

**Practices & Methodologies:** Agile, TDD, DDD, Functional Programming, CI/CD Pipelines, Clean Code, Pair Programming, Code Reviews

**Tools & AI:** GitHub Copilot, ChatGPT/OpenAI, ML Flow, Cursor

## WORK EXPERIENCE

02/2021 – today

### Senior Fullstack Engineer

Agoda, Bangkok, Thailand

**Project:** [CEG-Flights](#), flight operations management system for handling post-booking services such as reissues, cancellations, and compensations for millions of global flight users.

- Architected and deployed a scalable, event-driven microservices-based flight management platform using Java 17, Spring Boot 3.x, Kafka, and React.js, reducing turnaround time by 20% and boosting global service efficiency.
- Developed a ChatGPT-integrated backend system for automated email classification and workflow management, saving \$3.5M annually by reducing manual handling by 5%.
- Built a Kafka-powered real-time messaging layer and distributed data consistency mechanism, cutting transaction latency by 25% and increasing responsiveness.
- Created a React.js quick-access UI module, decreasing flight issue resolution time by 3%, resulting in \$2.1M annual cost savings.
- Led the cloud-native migration of 5 key services to a Kubernetes-based infrastructure, cutting operational costs by 10% and increasing platform resilience.
- Enhanced system stability through chaos engineering, contributing to a 15% increase in direct bookings vs third-party channels within 6 months.
- Mentored 5 junior engineers, creating a structured microservices onboarding program that reduced ramp-up time from 6 to 4 weeks.

**Technologies used:** Java 8/17, Spring Boot 3.x, Kafka, React.js, Docker, Kubernetes, AWS, Redis, SQL Server, OpenAI, GitLab CI/CD, Microservices Architecture

06/2019 – 01/2021

### **Software Engineer / Data Analyst**

DBS bank, Hyderabad, India

**Project:** Singapore-based enterprise B2B payment platform processing 500K+ transactions daily and integrating multiple payment gateways across Asia.

- Designed and maintained modular microservices in Java 11, Spring Boot, and PostgreSQL to process 500K+ daily transactions with 99.9% uptime.
- Led modernization of the platform by upgrading from Java 8 to Java 11, improving system performance and strengthening security.
- Automated reporting pipelines with a Python-based anomaly detection tool, reducing report generation time by 15% across 1,000+ daily logs.

**Technologies used:** Java 8/11, Spring Boot, PostgreSQL, Python, GitLab CI/CD, Docker, REST APIs, Microservices

10/2017 – 05/2019

### **Backend Engineer**

Talentica Software, Pune, India

**Project:** OneBot – US-based conversational AI chatbot platform for WhatsApp and Facebook automating customer support for businesses with thousands of users.

- Built and deployed an NLP chatbot using Dialogflow, Node.js, and Spring Boot, handling 15K+ monthly customer queries across social platforms.
- Optimized backend performance by refactoring 10+ microservices with asynchronous processing, cutting API response time by 150ms.
- Earned the SPOT Award for innovation and measurable impact in automation rollout.

**Technologies used:** Java 8, Spring Boot, Node.js, Dialogflow, MySQL, Docker, React.js

06/2015 – 09/2017

### **Software Engineer**

Intellect Design Arena, Hyderabad, India

**Technologies used:** Java 8, JavaScript, D3.js, SQL Server, REST APIs.

## **EDUCATION**

08/2011 – 05/2015

B.Tech – Computer Science & Engineering

National Institute of Technology, Raipur, India

## **LANGUAGE SKILLS**

English (C2) | Telugu (Mother tongue)

## **HOBBIES**

Cricket | Table tennis | Tech Blogging