Raju Methuku

Profile: Senior Full Stack Engineer
Current Location: Thailand
Phone number: +66 0971061627 / +91 7697129711 (WhatsApp)
Email address: narasimha4789@gmail.com

PROFESSIONAL SUMMARY

- **Software Development & AWS:** 10+ years hands-on software development experience building scalable applications. Familiar with AWS services and cloud-native architectures, eager to deepen AWS expertise.
- **Java & Multi-Language:** Strong Java (8/17) proficiency with 10+ years experience, plus solid Node.js and Python capabilities for versatile backend development.
- **Cloud-Native & Modernization:** Experience with microservices and distributed systems. Familiar with serverless computing (AWS Lambda, API Gateway), eager to expand AWS serverless expertise.
- **Containerization:** Hands-on Docker and Kubernetes experience. Familiar with ECS, ready to deepen AWS container services expertise.
- **CI/CD & Infrastructure:** Experience with GitLab CI and Jenkins pipelines. Familiar with AWS CodePipeline, Terraform, CloudFormation, eager to expand AWS DevOps skills.
- **Databases:** Experience with relational (MySQL, SQL Server) and NoSQL (MongoDB, Redis) databases and cloud integration.
- **Event-Driven Architecture:** Strong Kafka messaging experience. Familiar with AWS messaging (SQS, SNS, Kinesis), ready to deepen AWS-native implementations.
- **Observability & Testing:** Experience with Prometheus, Grafana, ELK Stack. Strong test automation (JUnit, Jest, Mockito). Understanding of security best practices (OAuth, JWT).

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CORE COMPETENCIES

Full Stack Development	Backend & Microservices Architecture	Cloud & DevOps	Database Management
System Design & Optimization	Testing & Monitoring	AI & Automation	Agile & Team Collaboration
Leadership & Mentorship	Enterprise Application Development	Cross-Functional Team Collaboration	

SKILLS

- **Languages:** Java (8/17), JavaScript (ES6).
- **Frameworks and Libraries:** Spring Framework, Spring Boot (2.x / 3.x), Spring Web, Spring Security(OAuth, JWT, OKTA), Spring Data JPA, Spring AOP, React JS, Node.js.
- **Databases:** MySQL, SQL Server, Mon**goDB, Hibernate.**
- **Architecture:** Microservices, REST APIs, API Gateways, Kafka, GraphQL, Redis.
- **Cloud & DevOps:** Docker, Kubernetes(K8s), CI/CD, AWS (familiar)
- **Observability/Monitoring:** Grafana, Tempo, Prometheus, Loki/kibana, OpenTelemetry.
- **Testing:** Unit testing, JUnit, Jest, Mockito, Integration testing, Cucumber.
- **Others:** Agile, Functional Programming, Domain Driven Development (DDD), Test Driven Development (TDD), TypeScript, Github/Gitlab, GitHub Copilot, Cursor, Code Review, ML Flow, ChatGPT, Data structures, Algorithms.

EXPERIENCE

02/2021
Bangkok, Thailand

Senior Full Stack Engineer
Agoda - Online Travel Agency

Key Deliverables:
- **Solution Development & Deployment:** Led flight management system deployment, reducing turnaround times by **20%** and improving customer service efficiency.
- **Backend & AI**: Built Java-ChatGPT email analysis system, reducing handling time by **5%** and saving **$3.5M annually**.
- **UI/UX Optimization:** Created a React JS quick-access component, cutting flight handling time by **3%** and saving **$2.1M**.
- **Real-Time Messaging & Microservices:** Developed Kafka-based system for real-time data consistency, lowering transaction latency by **25%**.
- **Cloud Strategy & Cost Optimization:** Executed cloud migration for five services, improving efficiency and cutting operational costs by **10%**.
- **Engineering Mentorship:** Mentored five junior engineers by implementing a structured onboarding program, reducing ramp-up time to full productivity from six weeks to four weeks.
- **System Resilience & Performance:** Enhanced system resilience through chaos engineering, driving a 15% increase in direct bookings within the first six months via Agoda's platforms over third-party channels.

06/2019 – 01/2021
Hyderabad, India

Software Engineer / Data Analyst
DBS Bank- Banking

Key Deliverables:
- **Payment Gateway Development:** Designed and monitored a backend gateway, improving transaction reliability by **15%** and handling **500K+** transactions.
- **Codebase Modernization:** Upgraded Java 8 to 11, enhancing system efficiency by **15%** and strengthening security across applications.
- **Process Automation:** Built a Python-based anomaly reporting tool, reducing report generation time by **15% for 1,000+ reports**.

10/2017 – 05/2019
Pune, India

Backend Engineer
Talentica Software - E-commerce

Key Deliverables:
- **Chatbot Development:** Built an NLP-powered chatbot with Dialogflow, handling **15K+** queries monthly and earning a SPOT Award.
- **Microservices Optimization:** Revamped 10+ backend microservices with async processing, cutting API response time by **150ms**.

06/2015 – 09/2017
Hyderabad, India

Software Developer
Intellect Design Arena - Insurance

Key Deliverables:
- **Dashboard Development:** Built custom dashboards centralizing client data, improving usability and increasing daily logins by **10%**.
- **Data Visualization Innovation:** Won GEM Award for creating a JavaScript library integrating Ext JS and D3.js seamlessly.

EDUCATION

08/2011 – 05/2015
Raipur, India

Computer Science and Engineering | B.Tech
National Institute Of Technology
8.21 CGPA