Rakesh Reddy M | Microservices & API Integration| Los Angeles, CA| +1 (562)-826-3513

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About Me:

Software Developer with **3+ years of experience** where I have **design and building** efficient, enterprise platforms. Major work involving in the Project related to the **Process and Work management** solutions with using the **JAVA, Spring Boot , Kafka , K8S** Have ability and work in to transforming the structure business objective to the **Micro service architecture** in automating the transactions and excellent in resilient **CI/CD pipeline**.

PROJECTS

Cloud-Native Ordering Platform (TypeScript + React + AWS)

- Hardened customer signing by implementing **OAuth2 RBAC**, eliminating **unauthorized access** incidents
- Deployed micro-services to **AWS EC2** behind an **ELB and Amazon RDS cluster**, delivering **99% uptime** during seasonal peaks.
- **Orchestrated Docker** containers with **Kubernetes** and introduced **GraphQL** for catalog reads, cutting **product-lookup latency.**

Real-Time Stock Control Systems

- Provisioned a fault-tolerant cluster on **AWS EC2 using Docker + Kubernetes** and **JWT-based RBAC**, *sustaining high* availability.
- Tuned **Spring Data JPA** queries and refactored **REST APIs, slashing inventory**-update latency.
- Stream-processed events with **Apache Kafka** to guarantee **sub-second stock-level accuracy** across services.

Academic Profile Portal

- Built secure profile management, enforcing **access controls** for 99% % of sensitive endpoints.
- Added real-time search/filter using **Spring Boot + Angular**, average query time and weekly active users.
- Containerized and deployed on **AWS EC2/Kubernetes**, optimized MySQL schema to improve heavy-read queries.

EXPERIENCE

Technical Developer | CSUDH   Sep,2023 - present

- Develop real-time event-streaming solution using **Apache Kafka** to automate and manage **repeatable, multistep business transactions**,.
- I organized **Agile sprints by utilizing JIRA**, thus promoting open communication and transparency for the project; I controlled versions and repositories via **Git to enable seamless** coordination among members.
- Maintained **software quality** by conducting thorough **unit, integration**, and user acceptance testing (UAT) coordinated **periodic releases and migrating legacy Spring MVC modules to modern Spring Boot micro-services**.

Backend Developer | Vanna Infotech   April,2021 – July,2023

- Automated **AWS infrastructure** with **Terraform and Jenkins**; cut deployment time -20 % and achieved **zero-rollback** releases.
- Instituted weekly **peer-review rotations** and **ESLint/Prettier checks,** halving review **turnaround and catching** 10 % more defects.
- Designed and managed a resilient CI/CD framework with **Jenkins** and Terraform, automating infrastructure deployment to AWS.
- Prototyped **UI components** from **Figma wireframes, guiding UX** decisions through Cognitive Task Analysis in **Agile**.
- Collaborated with five **cross-functional squads (frontend, QA, DevOps)** to deliver sprint goals with Scrum time-box.

CERTIFICATIONS

Certified Kubernetes Application Developer (CKAD)
AWS Certified Developer – Associate
Advanced Java Programming & Spring Framework
MySQL Database Management System (DBMS)

SKILLS

Languages: Java 17, Python 3, JavaScript/TypeScript, SQL , Multi-threaded Programming
Frameworks: Spring Boot (including embedded Tomcat), Spring MVC, Maven, Spring Security, JPA/Hibernate, Node.js, React
Cloud & DevOps: AWS (EC2, RDS, Lambda, S3), GCP, Azure (familiar with concepts), Docker, Kubernetes, OpenShift, Terraform, Jenkins, GitHub Actions, CI/CD pipelines.
Databases: MySQL, PostgreSQL, MongoDB, Redis
Messaging & Testing: Apache Kafka, RabbitMQ, Amazon SQS, JUnit 5, Mockito, Selenium, Cucumber, JMeter
Methodologies: Agile/Scrum, TDD, DevOps culture

EDUCATION

MS in Computer Science | California State University, Dominguez Hills | GPA: 3.6 | 2023-2025*