# RAGHUNATH REDDY

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Linkedin

## PROFESSIONAL SUMMARY:

Software Engineer over **5** years of experience in finance and healthcare sectors and solid foundation in **Java**, **Python**, **Spring Boot**, **Angular**, **SQL**, **AWS**, **CI/CD**, **Kafka**, **Docker** and **Kubernetes**. Proven ability to deliver high quality scalable web applications and cloud-based solutions. Recognized for contributions with a promotion at Development Bank of Singapore within just one year of service.

## TECHNICAL SKILLS:

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|---|---|
| **Programming Languages** | Java, C++, C#, Python, JavaScript, TypeScript, Kotlin , SQL, Bash |
| **Frameworks and Libraries** | Angular, ReactJS, Redux, Next.js, Hibernate, JSP, JSF, Servlets, Spring Boot, Flask, XML |
| **Spring Ecosystem** | Spring MVC, Spring Security, Spring Cloud, Spring AOP, Spring Data JPA, Spring Batch, Spring AI |
| **Databases and Messaging** | MySQL, PostgreSQL, MongoDB, MariaDB, Redis, PL/SQL, Elasticsearch, Kafka |
| **Cloud and DevOps** | AWS (EC2, ECS, Lambda, SQS, SNS, S3, Fargate, CloudWatch, API Gateway, IAM, CloudFormation, VPC, Auto Scaling, Route 53, ELB, CloudFront, CloudTrail), Azure, Docker, Jenkins, Kubernetes, CI/CD |
| **Version Control and Tools** | Git, GitHub, Bitbucket, IntelliJ, VS Code, Postman, Soap-UI, SonarQube, Confluence, JIRA |
| **Testing Frameworks** | JUnit, Mockito, API Testing, Karate |
| **Software Development** | Microservices, REST APIs, Event-Driven Architecture, OOPs, HLD, Design Patterns, Agile, Scrum, Splunk, TDD, BDD, Secure SDLC |

## WORK EXPERIENCE

**Software Engineer**                                                            **Jan 2025 – Present**
**Athenahealth**

- Designed and built event-driven **microservices** using **Spring Boot, Spring Cloud**, and **Kafka**, achieving high availability and ensuring real-time communication between patient access modules.
- Developed 15+ **REST APIs** using Spring Boot and **Hibernate**, ensuring seamless integration with third-party systems, reducing integration complexities by 25%.
- Architected secure, cloud-native systems on **AWS** (EC2, Lambda, S3, RDS), enhancing platform scalability and deployment speed using **Docker**, Jenkins, and **CI/CD** pipelines.
- Implemented multi-factor authentication (MFA) and role-based access control using **Spring Security**, **OAuth2**, and **JWT**, ensuring **HIPAA** compliant user access and secure API layers.
- Applied **JUnit** for Java backend validation, and Jest for front-end React testing, significantly improving software quality and user satisfaction.
- Created robust **Angular** UI components (Material UI, RxJS) for patient dashboards and appointment scheduling, contributing to a 25% rise in user engagement.
- Monitored performance and error logging via **New Relic** and **Datadog** to ensure 99.9% uptime across microservices.
- Engineered **Redis** caching and optimistic locking strategies for high-traffic appointment modules, reducing latency and ensuring concurrent-safe booking.
- Leveraged **Adobe Experience Manager** (AEM) to manage and deliver personalized content across patient access modules.
- Leveraged **Apache Kafka** for scalable data streaming, enhancing distributed system performance and reliability, as recognized by project outcomes.
- Led architectural discussions, **HLD/LLD** creation, and technical design reviews with cross-functional teams for a microservices ecosystem spanning over **10** services.

**Software Engineer**                                                     **July 2022 – Dec 2023**
**Development Bank of Singapore**

- Developed a Single Page Application as part of an **Agile** (Scrum) team, utilizing **Angular** for the frontend, **Spring Boot** for the backend, and **MariaDB** for database management.
- Delivered **30+ Rest APIs** using Spring Boot **microservices** for digital **account onboarding**, **KYC**, and transaction processing, handling high-volume institutional data flows across regions.
- Developed secure APIs and workflow listeners integrated with **Kong API** Gateway, **OAuth2**, **JWT**, and **LDAP**, ensuring robust authentication and role-based data access.
- Designed **Angular** frontends and admin dashboards using **TypeScript**, HTML, CSS, driving a 30% increase in usability for banking staff and customers.
- Automated complex workflows with **Spring Integration** and **BPMN**, eliminating manual processes in 4 departments and reducing onboarding time significantly.
- Performed **Root Cause Analysis** (RCA) for production issues, reducing downtime and enhancing ability.
- Conceptualized and devised various Services and workflow listeners using **Spring Boot** enhancing system functionality and responsiveness across 3 applications.
- Migrated monolithic applications to cloud-based microservices using **Spring Cloud**, **Kafka**, and **AWS**, boosting deployment flexibility and overall system scalability by 30%.
- Built automated document and report generation modules using **Java** and **SQL**, reducing processing time and enhancing compliance workflows.
- Used **LaunchDarkly** to manage feature flags and control production feature rollouts.
- Led bug fixes, feature development, and test deployments across SIT, UAT, and **PROD** using Jenkins pipelines and **Git** workflows in **Agile** teams.

**Associate Software Engineer**                                       **May 2020 – June 2022**
**IBM**

- Created REST APIs using **Spring Boot** for user management modules, streamlining CRUD operations and supporting over **200,000** user records across services.
- Built responsive front-end solutions with **React**, **Angular**, and **Redux**, achieving a 25% reduction in page load time and improving UX.
- Engineered automated **CI/CD** pipelines with Jenkins, reducing manual deployment time from **1 hour to under 10 minutes** per release.
- Collaborated with cross-functional teams to define design, technical discussion and ship new features.
- Designed and optimized **database** schemas for **10+** enterprise applications, reducing average query response time from 800ms to under 500ms, significantly improving backend performance.
- Containerized applications using **Docker** to enhance deployment efficiency and improve system scalability.
- Participating in requirements gathering, analysis, design, development, and testing using **AGILE** methodology.
- Developed custom **Bash** scripts for Linux-based deployment automation, integrating into Jenkins CI/CD pipelines.
- Conducting unit testing with **Mockito** and **TestNG**, performance testing using **JMeter**, and end-to-end API testing.
- Maintaining comprehensive project documentation in **Confluence**, ensuring streamlined future development and team collaboration.
- Deploying and managing cloud-based applications using AWS services including **Amazon EC2**, **AWS Lambda**, **Amazon S3**, **Amazon Route 53**, **Amazon VPC**, **Amazon SQS**, **Amazon ECS**, **Amazon ECR**, and **Amazon CloudWatch**.
- Diagnosed and resolved high-impact deployment issues across environments by working with DevOps and SRE teams.

## AWARDS & CERTIFICATIONS:

- Certifications: [AWS Associate Developer](#).
- Solved 300+ coding problems on LeetCode, Interview Bit, and Hacker Rank, demonstrating expertise in DSA.
- Engaged in DBS Hack2Hire and Smart India Hackathon.

## EDUCATIONAL DETAILS:

- Master's in computer science, May 2025                              **(University of Central Missouri, Missouri)**