RAGHU MEDARAMETLA

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PROFESSIONAL SUMMARY

Software Engineer with a Master's in Computer Science and extensive experience in Agile environments. Proficient in Java, Spring Boot, React JS and cloud technologies, driving problem-solving software solutions.

PROFESSIONAL EXPERIENCE

Fifth Third Bank   **Dallas, TX, USA**
Software Engineer   *Nov 2024 - Present*
- Improved Fifth Third's internal compliance tracking system by rebuilding the UI with React.js and Redux, reducing processing delays by 35%.
- Launched a real-time event-logging system leveraging Spring AOP and React dashboards with standardized error codes, reducing support ticket volume by 50%
- Implemented a testing strategy using JUnit and Mockito for unit testing and integration testing within Scrum teams and agile sprints, resulting in a 30% reduction in post-release defects.

Signify Health   **Dallas, TX, USA**
Software Developer   *Sep 2024 - Nov 2024*
- Designed server-side logic using Spring microservice design patterns and Oracle DB, coded user workflows, and improved system response time by 60%
- Enhanced core tool capabilities by managing Spring Data JDBC and Hibernate JPA, leading to a 40% increase in user satisfaction.
- Integrated secure GraphQL endpoints with JWT authentication and OAuth2 for robust data access control, achieving a 75% reduction in unauthorized access.

Oklahoma State University   **Stillwater, OK, USA**
Full Stack Developer   *Aug 2023 - May 2024*
- Engineered an website using Spring Boot and Angular, updating course and class schedule updates and minimizing data processing time by 20%.
- Optimized SQL and PL/SQL queries to cut data reload time by 30% and built components for student grade evaluation and report submissions.
- Utilized OpenMP and Java Concurrency API for scalable parallel processing, increasing data analysis speed by 70% in high-performance computing environments

Tata Communications   **Chennai, TN, India**
Software Development Engineer   *Jul 2021 - Aug 2022*
- Engineered an automation full-stack application with cross-functional team for Kubernetes cluster using Operator-SDK provisioning 2000+ additional clusters per quarter for 500 enterprises.
- Tailored Ansible playbooks and Helm charts, automating the configuration of Virtualization using kubevirt which reduced deployment time by 35%.
- Deployed applications on AWS (S3, RDS, Elastic Beanstalk, DynamoDB), ensuring a 99.9% up-time, and automated CI/CD pipelines to expedite development cycles.
- Reduced deployment time from 3 hours to 15 minutes by developing and implementing Terraform scripts for Infrastructure as Code, ensuring in a time savings of 85%.
- Deployed OpenStack on bare metal servers and troubleshooting containerization microservices within Kubernetes clusters controlling runtime by 30%.

Cognizant   **Chennai, TN, India**
Programmer Analyst   *Jan 2021 - Jun 2021*
- Built a Spring Boot web service with real-time map navigation applying Web Socket and REST APIs, driving a 15% rise in user engagement through live tracking.
- Designed personalized push notifications via Spring backend services, boosting app usability by 20% through user interactions.
- Slashed database call frequency by 40% by optimizing Hibernate queries and integrating Redis caching, improving performance for high-traffic scalability.

SKILLS

Skills: C++, Python, JavaScript, Go, HTML/CSS, NoSQL, PostgreSQL, MySQL, Node.js, Git, Docker, Bash, Jenkins, Linux/Unix, Maven, kafka, Development Operations (DevOps), JSON, XML, YAML

EDUCATION

Oklahoma State University   **Aug 2022 - May 2024**
Master's, Computer Science   *GPA: 3.81*
- Coursework: Data Structures, Computer Architecture, Operating Systems, Software Engineering, Machine Learning.

SASTRA University   **Jul 2017 - Jun 2021**
Bachelor's, Computer Science