Tirumal Reddy Ramidi

San Francisco (Open to relocation)

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SKILLS

- **Languages:** Java, JavaScript, Python, PHP, C, SQL, HTML/CSS
- **Frameworks/Libraries:** Spring, Spring Boot, React.js, JUnit, TestNG, d3, Django, Node.js, Express.js.
- **Cloud Technologies/Databases:** AWS, Docker, Kubernetes, MySQL, MongoDB, SQL
- **Other Technologies:** REST API, Git, Nodemon, Jenkins, TeamCity, JMeter, Linux, Jira, Confluence, Paraview

EXPERIENCE (2 YEARS)

- **University Of Utah** — In-Person
  Software Development Engineer — *May 2023 - Aug 2023*
  - **Inventory Management Systems:**
    * Worked on an inventory management system for 15+ Starbucks locations, streamlining stock control and reporting, reducing inventory discrepancies by 25%. Designed and implemented RESTful APIs, handling over 10,000 client requests daily for seamless communication between frontend and backend services.
    * Refactored legacy code, reducing the codebase by 30% and improving maintainability. Initiated a migration from JSP to Thymeleaf, improving web page load times by 30%.
  - **InfoHarvest:**
    * Implemented secure user data collection for a campus event platform, generating personalized, event-linked UPCs for 500+ users via email.
    * Achieved 90% test coverage by implementing comprehensive unit and integration tests using JUnit & Mockito, and resolved 80+ bugs across frontend and backend, improving overall application stability.
    * Built a robust backend system for the platform, enabling automated communication and engagement with 500+ unique event-linked UPCs.

- **OpenText Technologies India Pvt Ltd** — Hybrid
  Software Engineer (Full-time) — *Apr 2021 - July 2022*
    * Enhanced data security by 30% through advanced tokenization and encryption, boosted code reliability with 100+ test cases, and initiated a Java 19 upgrade, improving backend processing efficiency by 15%.
    * Optimized REST APIs in SpringBoot for OpenText's termination service, cutting execution time by 80%, led CRUD API design to streamline operations, and enhanced DB2 SQL query efficiency for faster runtime.
    * Developed components using React.js, improving interactivity and responsiveness of user interfaces by 25%.
    * Extended the Java Automation Framework to enhance functionality, supporting comparison of 10000+ files.
    * Reduced execution time of the entire test suite by 10% across 2000+ test cases.

- **OpenText Technologies India Pvt Ltd** — Remote
  Software Engineer (Intern) — *Dec 2020 - Apr 2021*
  - **Monitoring and Integrating jobs to CI/CD pipeline:**
    * Automated build and deployment pipelines reducing deployment time by 50%, utilizing Terraform for IAAS orchestration.
    * Created and managed over 30+ CI/CD pipelines for deployments on Apache servers.
    * Administered, designed and developed an SQL relational database model across 6 databases to facilitate efficient data manipulation.

EDUCATION

- **University Of Utah** — Salt Lake City, Utah, USA
  Masters of Science in Computer Science — *Aug 2022 - May 2024*

  Courses: Machine Learning, Operating Systems, Computer Architecture, Graduate Algorithms, Visualization for Data Science, Visualization for Scientific Data.

PROJECTS

- **IPL Season Overview (d3 Library, JavaScript, Bootstrap)**: Developed a highly interactive dashboard to visualize IPL season statistics, increasing user engagement by 25% through complex charts and animations.
- **Sentiment Analysis (Machine Learning, Neural Networks, Python)**: Classified text, reviews, and social media posts as positive or negative using Neural Networks, Logistic Regression, SVM, Perceptron, and Decision Trees, achieving an 84% accuracy.
- **Smart Attendance (Java, Kotlin, FireBase DataBase, Geo Coder, Alarm Service, Location Manager)**: Developed an Android application to register attendance using live location, altitude, time, and biometric authentication, achieving 80% accuracy in controlled environment tests.
- **Blog-Posts (Express.js, EJS, MongoDb, JQuery, Tailwind, HTML, Javascript)**: Website to create and retrieve blog posts easily on the internet which stores data on the MongoDb remote database.