SRI RAMA DONGA

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PROFESSIONAL SUMMARY:

Experienced Software Engineer with around 2.5 years of expertise in full-stack development. Proven track record of delivering high quality software solutions and optimizing performance. Proficient in a wide range of programming languages, tools, and technologies, enabling seamless end-to-end web and mobile application development.

TECHNICAL SKILLS:

Programming:	Java, Python, JavaScript, SQL, C, TypeScript
Tools/Technologies:	HTML, CSS, Bootstrap, RESTful APIs, Github, AWS, GCP, Docker, Postman, JIRA, Selenium
Frameworks:	React, Spring Boot, Spring, NodeJS, Flask, React Native, Hibernate, GraphQL
Databases:	MySQL, PostgreSQL, MongoDB, MS SQL Server
Certification:	AWS Certified Solutions Architect Associate

WORK EXPERIENCE:

Shoptaki   **Remote, New York**
Full Stack Developer   **August 2023 – May 2024**
- Spearheaded the development of company website using ReactJS and Tailwind CSS, ensuring cross-platform compatibility and optimal user experience.
- Collaborated with UI/UX team, translating more than 50 Figma prototypes into functional, visual appealing interfaces enhancing user engagement by 45%.
- Engineered the backend infrastructure using Java and Spring Boot on AWS, interfacing with a PostgreSQL database for robust user and listing services.
- Collaborated and tested more than 60 GraphQL API endpoints, facilitating seamless data retrieval and manipulation reducing data fetching latency by 25%.
- Leveraged AWS cloud infrastructure to host and scale the web application, utilizing its services to ensure 99.99% uptime and effective scalability.
- Integrated Auth0 for advanced user authentication, contributing to a secure user experience and protecting sensitive data on the web application.

PNI Therapeutics   **Remote, New York**
Full Stack Developer   **September 2022 – May 2023**
- Developed web pages with HTML, CSS, jQuery, Bootstrap, TypeScript and ReactJS, achieving load time closer to 2 seconds.
- Implemented Spring framework with Hibernate for MS SQL Server, resulting in faster queries and improved application performance.
- Created REST API endpoints with JAX-RS and Spring Boot, helping in quicker responses within 2.6 seconds.
- Engineered an iOS mobile app using Agile, TDD methodologies; created interactive UI with SwiftUI, improving user engagement by 40%
- Designed a matching algorithm for users based on personality traits and desired attributes, resulting in a 94% success rate of matching compatibility.
- Utilized AWS services such as EC2, RDS, S3; enabling real-time usage and data reliability for users, with a data synchronization success rate of 98.9%.

Amazon   **Bellevue, Washington**
Software Development Engineer Intern   **May 2022 – August 2022**
- Worked in a team to develop an innovative technology to enable a new skill in Alexa that helps customers to learn a new language.
- Collaborated with cross-functional teams to develop an efficient and accurate phonetic level pronunciation evaluation algorithm to build a Java library.
- Crafted comprehensive unit tests with JUnit, achieving 94% code and 90% branch coverage, ensuring a highly reliable and robust library.
- Leveraged various AWS services (EC2, S3, Lambda, RDS) ensuring secure and cost-effective implementation while maintaining 99.99% uptime.

Capgemini   **Chennai, India**
Software Engineer   **October 2020 – June 2021**
- Successfully executed testing protocols using Selenium for a banking application, with 50% reduction in bugs and 2x improvement in response time.
- Implemented a highly efficient microservices architecture, leading to 3 hours decrease in system downtime in a month.
- Created SQL queries to extract data from various database tables, resulting in a 25% reduction in testing time and a 15% increase in data accuracy.
- Utilized Jenkins to automate testing tasks, reducing manual intervention, and saving an average of 6 hours per testing cycle for the engineers.
- Written and executed 180+ manual test cases and automation scripts using Selenium WebDriver, TestNG, Git, Jenkins, and Maven.

EDUCATION:

Master's in Computer Software Engineering   **August 2021 – May 2023**
Arizona State University   GPA: 3.72/4
Bachelor of Technology, Electronics and Communication Engineering   **August 2016 – June 2020**
Gokaraju Rangaraju Institute of Engineering and Technology   GPA: 9.31/10

PROJECTS:

KLANG Language:
- Developed a new programming language named KLANG, using Java in IntelliJ IDE on Windows OS.
- Used ANTLR tool for efficient parsing and syntax analysis.

Handwritten digit Recognition:
- Built an android application using Android Studio IDE that helps in clicking a handwritten digit picture on mobile and uploading it to a flask server generated in python using OkHttp which helps in recognizing digits with 98% efficiency.
- This is done by developing a neural network pipeline on MNIST dataset, trained and validated on server with Keras and TensorFlow framework.

Autonomous Rover using Unity:
- Led and built an autonomous rover capable of navigating grocery store aisles and picking up objects with 92% efficiency.
- This is implemented using the ROS2 framework in Unity 3D using C# and deployed using Docker.