Manasa Sambaraju

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EDUCATION

University of South Florida 08/2022 - 05/2024
Master of Science in Computer Science & Engineering (GPA:3.85) *Tampa, FL*

Kakatiya Institute of Technology & Science 08/2017 - 05/2021
Bachelor of Technology in Computer Science & Engineering (GPA:3.5) *Warangal, India*

PROFESSIONAL EXPERIENCE

Jabil 05/2023 - 05/2024
Software Engineering Intern *St. Petersburg, FL*

- Developed a scalable in-house **web client for IBM TM1** using **Java** for robust back-end services, efficiently serving thousands of users across multiple global sites with high performance and reliability.
- Implemented various subsystems in the TM1 web client using **REST API** for **real-time synchronization**, **React** for components, and **SQL stored procedures** for efficient data management.
- Streamlined inter-company financial processes, **automated reporting**, and integrated Python scripts for complex calculations, **saving over 50 man-hours monthly**, significantly enhancing operational efficiency.
- Conducted finance service management operations on **Jira**, overseeing **incident tracking** and service **request fulfillment** to optimize operational efficiency and streamlining workflows.
- Utilized **Power BI** to create **interactive dashboards and visualizations**, enabling data-driven decision making by providing stakeholders with clear insights into project metrics and performance indicators.

Cognizant Technology Solutions 07/2021 - 07/2022
Programmer Analyst *Kolkata, IND*

- Engineered robust APIs using **Spring Boot** to enable diverse functionalities, concurrently contributing to streaming solutions with **Kafka** and leveraging **MySQL** for the database infrastructure.
- Led the transition from **SOAP to REST API** for MetLife and **optimized SQL stored procedures**, resulting in a **40% increase in data processing efficiency** and improved user satisfaction.
- Developed powerful components for data retrieval and input validation by executing **HTTP requests** to a back-end server, utilizing **React** for **highly responsive** client-side operations by ensuring server-side integration.
- Deployed the web application using **AWS cloud services** such as **EC2, S3, and RDS**, ensuring scalability, reliability, and cost-efficiency, thus optimizing the infrastructure for enhanced performance and user experience.
- Compiled technical documentation, worked with cross-functional teams, and employed **Agile methodologies** to drive feature development, enhancing software quality and team collaboration.

TECHNICAL SKILLS

Languages: Java8, SQL, Python3, Javascript, C#
Frameworks: Spring Boot, Spring MVC, React, Angular
Cloud/Databases: AWS, MySQL, PostgreSQL, MongoDB
Other: Pega PRPC, Apache Kafka, Git, Maven, Jenkins, TCP/IP, Docker, Kubernetes, Postman

PROJECT

Student Coding Platform | *Java, React, Node.js* 08/2023 - 12/2023

- Independently developed a student coding contest platform with **Java** and **Spring Boot** for back-end development, integrated **React** for front-end functionality, ensuring effective system performance and seamless user experience.
- Employed SQL for robust database interactions, engineered an intuitive admin dashboard, and seamlessly **integrated secure payment modules** to optimize contest registration and transactions, significantly enhancing user experience.
- Enabled over **1000 students to participate** in hackathons, fostering skill development and collaboration, thus enhancing their educational experience and promoting a culture of innovation and teamwork within the community.

CERTIFICATION

- Certified Pega System Architect 8.6