Sai Apoorva Reddy Bachugudam

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EDUCATION

M.S. in **Information Tech & Management**   University of Texas, Dallas   Aug'21 – May'23 3.93/4

B.Tech. in **Electronics & Instrumentation Engg**   VNR Vignana Jyothi Institute of Engg. & Tech, India   Aug'15 – May'19 3.78/4

SKILLS

Programming Languages: Java, C++, Python, NodeJS, SQL, PL/SQL

Web Technologies: J2EE, JavaScript, HTML, CSS, SCSS, Angular, ReactJS, NodeJS, TypeScript, Bootstrap, AJAX, REST

Frameworks: Spring Boot, Hibernate, MVC

Databases: Oracle, MySQL, MongoDB, SQLServer | **Build Tools:** Maven | **Testing Tools:** JUnit, Selenium | **Methodologies:** Agile, TDD

Cloud & Other Technologies: AWS (S3, EC2, Elastic Beanstalk Lambda), Azure DevOps, Jenkins, Tomcat, GitHub, SVN, Eclipse, Visual Studio Code, IntelliJ, Sublime Text, Linux

WORK EXPERIENCE

Software Engineer Intern – Vee Ventures   **May 2022 – Aug 2022**

- Contributed to developing the front end for a food delivery application, ensuring a visually appealing and user-friendly interface.
- Integrated the Stripe payment gateway seamlessly, optimizing the checkout process for a faster and more intuitive experience.
- Utilized ReactJS to create a responsive user interface, contributing to an improved overall user experience, and employed NodeJS to develop third-party APIs, facilitating external merchant data retrieval.
- Implemented a scalable and efficient back-end system using Java Spring Boot and JOOQ, focusing on high performance and utilizing JOOQ for advanced data querying to optimize database interactions.
- Implemented **Google** and **Facebook Single Sign-On (SSO)** and **JWT** for user authentication, access, and registration.

Software Engineer – Tata Consultancy Services   **Sep 2019 – Aug 2021**

- Executed a full-stack Java Fleet Maintenance and Scheduling application, implementing **Agile Scrum, Java Spring Boot, Maven, ReactJS, NodeJS,** and **Oracle DB**, incorporating a **Spring state machine** for schedule monitoring.
- Collaborated with cross-functional **teams** to gather requirements, plan sprints, and deliver software solutions within timelines.
- Developed Java Spring Boot RESTful APIs to optimize application interaction, leading to reduced latency, enhanced scalability, and improved overall system performance.
- Implemented the front end using **ReactJS components**, creating a responsive and user-friendly interface with visual appeal.
- Leveraged **Java design patterns** and best practices to improve code maintainability, reusability, and scalability.
- Implemented **ReactJS HTTP services** to interact with the RESTful endpoints, ensuring seamless data retrieval and manipulation.
- Successfully configured **CI/CD pipelines** using **Jenkins**, enabling continuous integration and deployment of the application.
- Following the successful implementation of the project, the client experienced a **25%** increase in operational efficiency and significant improvements in the maintenance and scheduling of the fleet.
- Continually **monitored and maintained** the application post-deployment, incorporating user feedback and implementing updates and improvements as necessary.

PROJECTS

Face Recognition Application using Clarifai API   **Jul 2023 – Sep 2023**

- Created a robust and user-centric facial recognition application integrating secure authentication, accurate face detection, and an intuitive interface for seamless user interaction using JavaScript, ReactJS, and NodeJS.
- Utilized the Clarifai API's facial recognition models, configuring them for accurate face detection and image analysis.
- Leveraged asynchronous requests and optimized data handling for efficient communication with the Clarifai API endpoints.
- Employed React's lifecycle methods and hooks for efficient component rendering and state management.
- Utilized responsive design frameworks to create adaptive and scalable user interfaces across devices.

Interactive Directory using React   **May 2023 – Jun 2023**

- Integrated an external RESTful API for real-time data, utilizing asynchronous requests for efficient content updates and ensuring users access the latest information about robots.
- Implemented a responsive search feature, allowing users to quickly find specific robots by name, enhancing the overall user experience and ease of navigation within the application.
- Implemented error-handling mechanisms to detect and manage unforeseen issues promptly, ensuring users a stable experience.

CERTIFICATIONS

- Google Cloud Certified Machine Learning Engineer (2023).
- AWS Solution Architecture – Associate (2022).