SAIMANVITH ANANDESI

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GitHub   Linkedin   Portfolio

Work Experience

University of North Texas, Website developer– Denton, Texas   *JAN 2023 – DEC2024*

- Worked closely with campus stakeholders to gather business requirements and implement iterative UI changes, improving UX by 30%.
- Implemented React Router for dynamic Routing with async/await and Promises and utilized React Hooks (useState, useEffect) for managing component state and side effects effectively

WIPRO – *Associate Software Developer*| (Hyderabad, India)   *DEC 2020 - DEC 2022*

- Developed 10+ responsive UI components in **React 17** based on Figma designs, Utilizing TypeScript, Bootstrap, and MySQL resulting in 20% increased user engagement from clients.
- Worked on **server-side rendering using Thymeleaf in a React application,** reducing initial page load time by 25% and achieving a 15% performance boost, enhancing SEO and user satisfaction.
- Migrated APIs from synchronous to asynchronous using Spring Reactive Programming, which optimized system performance by 50%, and deployed them using Jenkins pipeline for Continuous Integration and Delivery.
- **Established reverse proxy for multiple SpringBoot services,** and deployed applications on AWS EC2 instances, delivering 20% faster request processing.
- **Performed UI automation with BDD framework for the website,** achieving a 40% defect reduction through end-to-end testing, improving application reliability and accelerating release cycles.
- Delivered fixes for 10+ critical defects through weekly releases**,** achieving 80% SLA compliance and elevating customer satisfaction.
- **Addressed HP-Fortify and SonarQube vulnerability issues,** enhancing code quality by 30% and reducing security risks. Utilized Splunk to visualize logs, enabling proactive monitoring and rapid issue identification.
- **Worked on comprehensive A/B testing for UI optimization,** managing 20+ concurrent experiments across 10K+ users, resulting in 15% increase in feature adoption through data-driven decision making.
- **Broadcasted events to Google Analytics (GTM),** leading to a 35% increase in actionable insights. This enabled the marketing team to refine campaign targeting strategies, making a 20% increase in product sales.

WIPRO –*Software Developer*| (Mumbai, India)   *DEC 2019 - NOV 2020*

- **Developed and optimized a feature-rich web application**, enhancing user experience and system performance by implementing **lazy loading techniques** with **React Lazy** and **Webpack code splitting**, resulting in a 3% improvement in load times.
- **Integrated real-time testing solutions** into the website using **PubNub API and SDK**, ensuring seamless validation of **push notifications, alerts, and chat functionalities** for an interactive and engaging user experience.
- **Developed and maintained automated test scripts and frameworks** using **Selenium, REST Assured, and JUnit**, increasing test automation coverage for the website's key functionalities and reducing manual testing efforts.

Technical Skills

•**Languages:** Java, C++, JavaScript, ES6+, TypeScript, Python
• **Databases**: Oracle, MySQL, MongoDB, Redis, Solr
• **Frameworks & Tools:** Spring, Spring Boot, Angular, ReactJs, Nodejs, ExpressJs, Cucumber, Github, GitLab, Svn, Jira, ServiceNow, Jenkins, Postman, Tomcat, Kibana, Urban Code Deploy, CI/CD, Kubernetes, SonarQube, MS-Office
• **Knowledge In:** Maven, Gradle, Spring Security, OAuth2, Splunk, Swagger, Microservices, Kafka, RabbitMQ, Docker, Selenium, Json, Rest Api, GraphQL, gRPC, Xml, Html, Css, SASS, Agile, Bootstrap, Drupal, Thymeleaf, Aws

Education

University of North Texas, Denton, Tx (Masters in Computer Science), *CGPA: 3.72/4*   *DEC 2024*

CVR College of Engineering, Hyd (Bachelors in Electrical), *CGPA: 4/4*   *AUG 2020*

Projects

Etsy |Java, MongoDB| Created a scalable, production-level Order Management microservice using Java, Spring Boot, MongoDB and Kafka, directly processing real-time customer orders, ensuring inventory accuracy and enabling efficient procurement.

Streamlining Campus Dining | *Web Development (***Java,Spring Boot, RestApi, ReactJs**)
Developed a fullstack website for students to register, block tables, pre-book meals, display items & prices, Add to cart option.
and **Energy appliance usage over time** |*Machine learning(NumPY, scikit-learn)*: Trained a Linear LTSF model using PyTorch to predict appliance energy consumption, applying advanced data preprocessing and forecasting techniques. Evaluated model performance with metrics like MAE and RMSE, and visualized results for future usage predictions.