SAI KRISHNA ERAVALLI

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SUMMARY

Full Stack Developer with 3 years of hands-on experience, specializing in web application development and agile methodologies. Proficient in React, Node.js, Angular, and Spring Boot frameworks, with substantial expertise in MongoDB and PostgreSQL for database management. Demonstrated skills in implementing CI/CD practices and Cloud technologies.

PROFESSIONAL EXPERIENCE

Full stack Developer   **June 2022 – May 2023**
Decision Theatre Network   *Tempe, USA*
- Spearheaded full-fledged LMS development using React, Node.js, Express, JavaScript and MongoDB, emphasizing CI/CD practices.
- Orchestrated the comprehensive project lifecycle of a Learning Management System (LMS), commencing with requirement analysis, strategizing system architecture, and culminating in deployment using Docker on an Ubuntu server.
- Engaged with cross-functional teams, ranging from educators to tech experts, to tailor the LMS for specific requirements, ensuring optimal remote content accessibility to an inaugural user base of over 500 students.
- Conducted successful demos for managerial stakeholders and US community teachers, enhancing 15% in user engagement and platform understanding, highlighting commitment to agile development methodologies.

Software Engineer   **December 2019 – August 2021**
Infosys Limited   *Hyderabad, India*
- Actively contributed to software development life cycle as member of an 11-person cross-functional team, fostering collaboration.
- Engineered 9 specialized service applications, demonstrating robust coding expertise in Angular, HTML, CSS, Bootstrap, JavaScript, and TypeScript. Achieved a remarkable 20% boost in application efficiency.
- Implemented Agile methodologies to streamline workflows via Git and Bitbucket for efficient version control. Conducted 15 client demos, ensuring continuous alignment, transparent communication, and steady project progress.
- Pioneered the creation of an innovative calendar solution, from conceptualization to API integration. This achievement enabled personalized calendar customization, significantly enhancing 7% in user experience and platform functionality.
- Collaborated closely with UI/UX designers and stakeholders to translate customer requirements into functional design elements, ensuring alignment between user needs and design outcomes with 13% increment in customer satisfaction.

PROJECT EXPERIENCE

Employee Management System
- Designed and Implemented a Full-Stack EMS using React for the frontend and Springboot for the backend, providing an effective user experience with responsive frontend interactions.
- Developed robust RESTful CRUD APIs using Spring MVC. Utilized Spring Data JPA and Hibernate ORM with PostgreSQL as the database, streamlining operations for improved performance and minimized boilerplate.
- Integrated Spring Security for authentication and role-based authorization, bolstered by AOP-driven centralized logging. Ensured system integrity and streamlined debugging through rigorous testing using JUnit and Mockito.

Ecommerce Application
- Designed a responsive e-commerce platform using Angular and Angular Material for a sleek, user-centric UI, paired with a scalable Node.js backend, ensuring an intuitive shopping experience and real-time product interactions.
- Utilized MongoDB for efficient data management and inventory, fortified with robust user authentication. Adopted a Test-Driven Development (TDD) approach, guaranteeing platform stability, performance, and reliability.

Portfolio Application
- Developed an interactive portfolio platform using ReactJS framework for frontend and Node.js for backend, containerized with Docker for consistency, and deployed on AWS for optimized availability and real-time content delivery.

TECHNICAL SKILLS

- **Languages**: JavaScript, TypeScript, HTML5, CSS, Bootstrap, SQL, NOSQL, Python, C, Java, Data Structures and Algorithms.
- **Frontend technologies:** React, Angular, Redux, Angular Material, Material UI, Sass, Figma, NGRX, RxJS, React Testing Library.
- **Backend Technologies:** Node.js, ExpressJS, Spring Boot, REST APIs, Maven, NPM.
- **Databases / Methodologies:** MongoDB, PostgreSQL, MySQL, Agile Methodology, Scrum Methodology.
- **Tools:** Jest, Jenkins (for CI/CD), Junit, Docker, Jasmine, Karma, Protractor, AWS (EC2, ELB, Route 53), Webpack, Grunt, Git, Jira.
- **Certifications:** AWS Certified Cloud Practitioner.

EDUCATION

Arizona State University   **May 2023**
Master of Science in Computer Engineering   *Tempe, AZ*

Sreenidhi Institute of Science & Technology   **May 2019**
Bachelor of Technology in Electrical Engineering   *Hyderabad, India*