

Suyash Jaju

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EXPERIENCE

Software Engineer

03/2024 - Present

Career Launch

Remote, US

- Engineered and implemented multiple interactive dashboards using **React.js**, delivering real-time insights and analytics for the organization and its partners. These dashboards facilitated effective monitoring of key metrics and trends related to career readiness inventory.
- Architected data retrieval processes utilizing **AWS Lambda** to seamlessly integrate partner data with **Redux Saga**. This integration ensured efficient data handling and real-time updates across the dashboards.
- Conducted comprehensive **end-to-end UI testing using Cypress**, ensuring reliability and performance of the dashboards. Achieved a 40% increase in overall page efficiency, significantly improving the user experience.

Web Developer

07/2023 - 06/2024

Santa Clara University

Santa Clara, CA

- Redesigned the entire site's design system and built reusable components using **React.js** for enhanced consistency and increased the efficiency by 30%.
- Maintained and updated the pages on a daily basis and set up **CI/CD pipeline using Jenkins**. Improved the deployment process and production process by 50% by translating manual process to automated tasks for continuous development and checkthrough.
- Managed and prioritized project tasks using **JIRA**, enhancing user story tracking for improved team delivery.

Software Engineer

08/2020 - 08/2022

Creatively Scientific Designs

India

- Conceptualized and designed high-efficiency, reusable UI components using **React.js**, ensuring a solid foundation for **scalable** and **maintainable** web applications.
- Utilized advanced techniques such as **React hooks, React Router, Material UI and SCSS** to create modern, responsive web applications. Implemented **lazy loading**, achieving a 50% improvement in load times.
- Conducted comprehensive **end-to-end testing using Cypress** to validate UI components and ensure reliability, performance, and user satisfaction.
- Streamlined deployment of web interfaces on **AWS-S3** with **React.js** and **Node.js**, enabling seamless client feedback integration. Automated feedback collection and reporting to administrators, enhancing communication and response times.
- Introduced role-based access control and other security measures, reducing unauthorized access attempts by 30%. Ensured robust data privacy and integrity, safeguarding user information across all applications.
- Orchestrated the CI/CD pipeline using **Jenkins** to automate build, test, and deployment processes, increasing overall development efficiency and reducing time to market.
- Used **AJAX** and asynchronous programming to optimize web API calls and incorporated **Dependency injection** to manage service dependencies efficiently, enhancing UI responsiveness and enabling data updates without page reload.
- Established comprehensive Git code review, ensuring high-quality code through peer reviews.

Software Intern

05/2020 - 08/2020

Creatively Scientific Designs

India

- Pioneered a complex UI in **React.js** for the Train Dispatcher to control the Mumbai Metro rail network involved integration of live train, power, and signaling data, and the creation of a complex movement authorization form was designed to handle edge cases and prevent human error entry by 35%.
- Engineered an financial accounting web app for brokerage clients for auditing and integrated **Typeahead.js with bloodhound for prefetching, intelligent caching, fast lookups, and backfilling remote data** and increasing autocomplete efficiency by 30%.
- Refined database performance with **stored procedures, triggers, indexing**, cutting query times by half.
- Automated daily REST API calls with **Cron job** integration, ensuring up-to-date data in tables through SQL CDC.
- Streamlined build and deployment with **Azure DevOps** in an Agile/Scrum setting.

TECHNICAL SKILLS

Programming/Scripting Javascript, Java, Python, Typescript, SQL, XML, JSON, HTML5, CSS3

Frameworks: React.js, Express.js, Angular.js, Redux, Web pack, jQuery, AJAX, MVC, Kafka.

Cloud and API Services: AWS, GraphQL, REST, Functions, Triggers, AWS-S3, EC2, RDS.

Databases: MSSQL, PostgreSQL, T-SQL, MySQL, Apache Spark, MongoDB.

Developer Tools: Git, Cypress, Jest Docker, Postman, VS Code, Visual Studio, GitLab, Bitbucket, JIRA, Figma.

EDUCATION

Santa Clara University

Santa Clara, CA

Master of Science in Computer Science

09/2022 - 06/2024

PROJECTS

PortfolioMaster - Dynamic Portfolio Generator | *Javascript, React, Redux, Typescript, JEST, AWS*

- Created a single-page portfolio utilizing **React, React Hooks, Context, JavaScript (ES6), TypeScript, HTML5, CSS3, and Bootstrap**, showcasing a modern and responsive design.
- Implemented **Redux** and **Redux-Saga** for managing application state and connecting to **REST APIs**, ensuring robust and efficient data handling.
- Conducted unit testing with **Jest** to validate component functionality and deployed the portfolio to **AWS-EC2** for seamless access and performance.