Saurav Rawat

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ABOUT ME

I am a Frontend Engineer with over 4 years of experience in web application development. I specialize in building scalable, modern software using technologies like React, Redux, GraphQL, and TypeScript. Currently, I work at Simpplr, developing intranet solutions for leading companies. Previously, I led a frontend team at a Canadian product based company, shipping there 3 products from scratch with Angular and Node.js. I am passionate about learning new technologies and delivering high-quality, optimized solutions.

SKILLS

Core Competencies: Data Structures and Algorithms, System Design, Documentation
Frontend: JavaScript (ES6+), TypeScript, React, Redux, Webpack, RxJS, Material-UI, HTML, CSS, SCSS
Backend: Node.js (Express), REST, GraphQL, SQL, PostgreSQL, MongoDB, TypeORM, Sequelize
Testing: Protractor, Cypress, Jest, Enzyme, React Testing Library
Version Control: Git, GitHub

EXPERIENCE (4.5 YEARS)

Simpplr Software India - Software Engineer (Front-end)   July 2022 – Present

React, Redux, TypeScript, React Query, Webpack, Cypress, Node.js, Git, GitHub, Federated Module

- Developed a custom Branding feature, enabling organization app managers to customize application branding, including link colors, primary colors, font themes, size, weight, logo, and favicon.
- Extracted the "Feed" feature of the app into a micro front-end architecture using the latest tech stack, optimizing performance and scalability, improving code maintainability, and enabling independent development cycles.
- Implemented and maintained GitHub CI/CD pipelines for micro front-end repositories, orchestrating automated builds, tests, and releases, resulting in a more efficient and consistent workflow across multiple projects.
- Developed and implemented end-to-end automated test cases for complex frontend features using Cypress, ensuring robust and reliable user interfaces.
- Addressed accessibility issues throughout the application, resolving WCAG-related challenges to enhance inclusivity, which improved legal compliance and supported significant sales deals.
- Collaborated in the development of a custom, feature-rich WYSIWYG library built on top of the ProseMirror library, enhancing functionalities for links and lists, and designed for reuse across multiple projects.
- Planned future deliverables in collaboration with the team lead, aligning team objectives with project goals.
- Provided ongoing technical guidance and mentorship to new engineers, facilitating their professional growth and enhancing team productivity.

Koverhoop Technologies - Senior Software Engineer (Full-stack)   June 2019 – July 2022

Angular 2+, TypeScript, RxJS, Node.js, Express, REST API, PostgreSQL, Sequelize, GitHub Actions

- Led a frontend team to build scalable applications, manage feature deliveries, and conduct code reviews, ensuring high-quality standards.
- Developed backend REST APIs and dynamic frontend components for version-based contracts, including large reactive forms generated at runtime.
- Created two portals with mobile-responsive and adaptive UI for products, ensuring a seamless user experience on various devices.
- Implemented automated testing for multiple applications using Protractor, Cypress, and integrated CI/CD pipelines with GitHub Actions to run tests on every merge.
- Implemented lazy loading to enhance performance and decrease application loading times.
- Implemented a multilingual feature to support multiple languages within the web application.
- Developed a custom interceptor to prevent users from navigating away from a page without saving changes.
- Created a custom directive to load components based on user permissions and access levels.
- Initiated development of several applications from scratch, including the flagship product "Klient" built using a multi-tenant, scaled agile architecture.
- Single-handedly built mobile-responsive landing pages from scratch, now in production and used by multiple clients.

PROJECTS

Frontend Machine Coding Questions | *React, TypeScript, JavaScript, Jest* [GitHub repo](#) | [Live demo](#)
- Developed and maintaining a collection of widely-asked frontend machine coding challenges such as infinite scroll, shimmer UI, text search, and more.
- Implemented automated tests using Jest to ensure code quality and functionality for each challenge.
- Designed a user-friendly interface to facilitate easy navigation and selection of coding challenges for users.
- Gathered feedback from users to continuously improve challenges and update content based on industry trends.

Clothing Store App | *Node.js, Express, Firebase, React, Redux* [GitHub repo](#) | [Live demo](#)
- Built a clothing store app like H&M with user authentication (JWT, bcrypt), state management using Redux, and integrated checkout functionality.
- Implemented a responsive design to ensure a seamless shopping experience across desktop and mobile devices.
- Added Google and email sign-in functionalities to enhance user authentication options, improving user accessibility.
- Utilized Firebase for real-time database management and authentication, providing users with a secure and efficient experience.

Micro frontend App | *React, Vue, Module Federation, AWS, GitHub Actions* [GitHub repo](#)
- Developed a microfrontend app with shared dependencies and optimized resource utilization using Webpack and Module Federation Plugin.
- Implemented a dynamic routing system to enable seamless navigation between different microfrontends, enhancing user experience.
- Configured AWS services for deployment, ensuring scalability and reliability of the application in a production environment.
- Utilized GitHub Actions for continuous integration and deployment, automating build processes and reducing manual errors.

Creating Artifacts and Caching Workflows in GitHub Actions | *GitHub Actions, CI/CD pipelines* [GitHub repo](#)
- Developed workflows for artifact management and dependency caching to enhance CI/CD efficiency.
- Optimized build times by implementing caching strategies for dependencies, reducing build failures and speeding up the development cycle.
- Documented workflow configurations and best practices to facilitate team onboarding and knowledge sharing.
- Integrated testing stages within workflows to ensure code quality before deployment, enhancing overall application reliability.

Personal Website & YouTube Channel | *React, Jest, HTML, CSS* [Visit Website](#) | [YouTube Channel](#)
- Developed a personal website using React to showcase my engineering blogs and self-projects, highlighting my skills and experience in frontend development.
- Implemented testing with Jest to ensure high code quality and reliability across the application.
- Applied responsive design principles to ensure optimal viewing across devices.
- Regularly updated with new content, including technical articles and project showcases, to share knowledge and insights with the community.
- Maintaining a YouTube channel where I regularly upload videos solving famous frontend coding problems, enhancing community engagement and knowledge sharing.

EDUCATION

GGSIPU
Bachelor Degree, Computer Applications   *8.6 CGPA*

Chandigarh University
Masters Degree, Computer Applications   *7.6 CGPA*