

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

Chandigarh University

Masters Degree, Computer Applications

7.6 CGPA

GGSIU

Bachelor Degree, Computer Applications

8.6 CGPA

CBSE

12Th standard

7.2 CGPA

CBSE

10TH standard

8.0 CGPA