Sahaj Dave

Front End Engineer

Education

Dhirubhai Ambani Institute of Information and Communication Technology — Gandhinagar, Gujrat
Masters of Science in Information Technology — *July 2019 – Aug. 2021*

Symbiosis International University — Pune, Maharashtra
Bachelors in Computer Application — *July 2016 – April 2019*

Experience

React Engineer — Pune, Maharashtra
TechLadd — *December 2022 - Present*

- Spearheaded the complete **rearchitecture** and **refactoring** of codebase resulting in **40%** decrease in bundle size.
- **Engineering owner** of internal component library built using **Mantine UI** and **TailwindCSS**.
- Mentored and lead team of four engineers by participating in regular pair programming, training sessions and code reviews.
- Implemented config driven development for components, reducing SPA re-renderings by **87.5%**
- Developed specialized analytics dashboard using **recharts** to visualize carbon emissions data of over **10k records**.

Frontend Developer — Bengaluru, Karnataka
Mcfadyen Digital — *April 2022 - November 2022*

- Created memoized caching solution using **lodash** to significantly improve user experience by reducing average loading time.
- Developed **progressive web app** storefront components in React to faciliate wishlist items and cart checkout.
- Implemented **contentful** data driven components allowing consistent information to be re-synced in storefront and CMS.
- Addressed regular production bugs and improvements in existing frontend services using **Jira** to prioritize requirements.
- Utilized **ARIA** specification to define **accessible** JS controlled elements in place of native semantic HTML elements.

ReactJS Developer — Pune, Maharashtra
Tribal Desert — *Aug. 2021 - Mar. 2022*

- Collaborated with developers of a B2B shipping startup to work on the pilot E-Commerce project.
- Implemented **styled components** and **SASS** to develop optimised reusable templates in React.
- Resolved props complexities by implementing **Redux Toolkit** as an alternative to existing state management.
- Reduced Database hits by developing **custom hooks** to cache fetched data, improving website response time.

Software Engineer Intern — Gandhinagar, Gujrat
DA-IICT — *Jan. 2021 - June 2021*

- Worked with a team of 4 to develop a research automation tool using **django** and **React** for scholars.
- Designed responsive data-driven components to effectively manage research information using web interface.
- Developed a learning algorithm using **NLTK** to tokenize information for statistical analysis.

Projects

Cine Nights
React, Express, MongoDB, Socket.io

- Developed a full-stack web application to stream movies in sync with **Express** serving **REST API** React as the frontend
- Designed a peer-to-peer chat service by implementing **Socket.io** using **React Context API**
- Built modular reusable components with React and styled components to maximize the extensibility of code
- Created a service allowing consistent video information to be re-synced in response to delays, reducing data sync to **200ms**

Backend API for E-Stores
Express, MongoDB, BcryptJS

- Created fully specified REST API backend with **express** and **MongoDB** having functionality similar to Amazon
- Developed an authentication service using **NodeMailer** and **JSON Web Tokens**, allowing API to verify emails
- Designed controllers to fetch data by using asynchronous methods to improve performance by **20%**

Coders Catalogue
JavaScript, Bootstrap, MomentJS

- Developed a web extension using **React** and **Bootstrap** to fetch competitive contests data from API
- Reduced loading time to **30%** by implementing dynamic updates using caching techniques in local-storage
- Created a helper utility using **MomentJS** to localize UTC time format

Skills

Languages	TypeScript, HTML5, CSS3, JavaScript, C++, Python, Shell, GraphQL
Frameworks and Libraries	React JS, Axios, TailWindCSS, Redux Toolkit, Socket.io, Ant Design, Styled Components, Bootstrap, Mantine UI
Tools and Technologies	Git, Postman, Vite, NPM, Yarn, Pnpn, Sass, PostCSS, Craco, Docker, ESLint, Heroku, Netlify, Linux, NX Monorepo