Sudha Shankar Naik

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Career Summary

Frontend Developer with **2.7 years of experience** in building **scalable, high-performance web applications** using **React.js, Next.js, Redux, and TypeScript**. Proficient in **UI optimization, unit testing (Jest, Cypress)**..Strong problem-solving skills, with expertise in **Agile development and accessibility (WCAG compliance)**. Seeking to leverage my skills in **performance optimization and modern frontend frameworks** to create intuitive and efficient user experiences

Work Experience

7EDGE   Aug 2022 – Present
Software Engineer 1   Mangalore, India

- **Optimized UI performance**, reducing page load times by **40%** through **code splitting, lazy loading, memoization, and minimizing unnecessary re-renders** in React.
- **Developed scalable and responsive web applications** with a **mobile-first approach**, ensuring cross-device consistency using **Tailwind CSS, Material UI, and Bootstrap**.
- **Implemented Redux for efficient state management**, improving application **performance, scalability, and maintainability**.
- **Enhanced cross-browser compatibility** across **Chrome, Firefox, Safari, and Edge** using **feature detection, and CSS fallbacks**, improving accessibility.
- **Conducted unit and integration testing** using **Jest, React Testing Library, and Cypress**, improving code reliability and reducing production bugs by **30%**.
- **Led performance optimizations**, identifying and resolving bottlenecks using **Lighthouse audits, Web Vitals, and lazy-loaded assets** to improve FCP and LCP scores.
- **Developed reusable, modular UI components** by **following Atomic Design principles**, improving code reusability and maintainability.
- **Improved accessibility (A11Y) compliance** by ensuring WCAG standards, enhancing usability for screen readers and keyboard navigation.
- **Collaborated closely with UI/UX designers, backend developers, and product managers** to deliver high-quality, production-ready applications.
- **Refactored legacy codebases**, replacing class-based components with **React Hooks and functional components** for better maintainability.
- **Mentored junior developers, conducted thorough code reviews, and enforced React best practices**.

Education

Moodlakatte Institute of Technology, Kundapura (2018 – 2022)
Bachelor of Computer Science and Engineering
CGPA: **8.20**

Skills

- **Languages**: HTML, CSS, JavaScript (ES6+), TypeScript
- **Libraries**, **Frameworks**: ReactJS, NextJS, Redux, Tailwind CSS, Material UI
- **Tools and Software**: Git, GitHub, JIRA, Jest, React Testing Library, Postman, Webpack, Vite
- **Concepts & Methodologies:** SDLC, Agile (Scrum, Kanban), Web Performance Optimization (Code Splitting, Lazy Loading, Lighthouse)
- **API Technologies**: REST APIs, Axios, Fetch API

Projects

- **Celebration Marketing Admin Application** :-   *HTML, CSS, JavaScript, ReactJS , Typescript, Redux, TailwindCss*

  - Developed a Celebration Marketing Admin Application using JavaScript, React, and Redux to streamline admin, artist, and client management. Super admins can manage admins, while admins oversee artists and corporate clients. Artists upload artwork, and admins ensure smooth platform functionality, enabling efficient artwork submissions and client interactions.

- **ARCM (Accessible Remote Control Management)** :-   *HTML, CSS, JavaScript, ReactJS, Redux, TailwindCss*

  - ARCM is a hospital management system that enables real-time patient monitoring and automated health alerts. Patients log into the application, measure their blood pressure using a connected device, and if abnormal values are detected, the system notifies the monitor (nurse). The monitor reviews the data and sends alerts to the provider (doctor) for necessary action. Observers take care of patients based on the provider's instructions, while corporate and admin users handle overall patient management. As a frontend developer, your role involves building the user interface using HTML, CSS, JavaScript, React, Tailwind CSS, and Redux, ensuring a smooth and responsive experience.

- **Gym Management System** :-   *HTML, CSS, JavaScript, TailwindCss, ReactJS*

  - Designed and developed a responsive and user-friendly interface for a gym management platform Implemented clock-in/out tracking, event scheduling, and subscription-based offers for employees. Utilized HTML, CSS, Tailwind CSS, and JavaScript to create an optimized and visually appealing UI.

Certifications

- **Frontend Web development With JavaScript, HTML, CSS, Bootstrap** - Udemy
- **React –** The Complete Guide (Incl.Next.js, Redux) - Udemy

Hobbies

- **Traveling** – Love exploring new places, cultures, and experiences.
- Exploring **Web Development Trends** – Keeps up with the latest tech advancements.
- **Crafting** – Enjoy creating handmade crafts as a creative and relaxing activity.