

SUJAN SHRESTHA

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An experienced Frontend Engineer with a strong passion for learning, researching and building web applications that provides a great user experience.

PROFESSIONAL EXPERIENCE

Infodevelopers Pvt. Ltd.

09/2023 – Present

Senior Software Engineer

- Enhanced accessibility and cross-device usability by upgrading legacy systems with responsive design, keyboard navigation, and WCAG compliance, reducing accessibility-related support tickets by 35% and enabling clients to serve a broader audience.
- Reduced LCP from 2.78s to 1.95s and CLS from 0.21 to 0.09, improving Core Web Vitals scores, resulting in a 22% increase in organic search traffic and higher user engagement.
- Led and delivered 5+ concurrent projects end-to-end, aligning engineering efforts with business objectives, ensuring 100% on-time delivery, and strengthening client relationships through reliable, scalable solutions.
- Optimized React application performance by reducing initial bundle size 30-40% through manual chunking (Vite/Rollup) for vendor/app separation, tree-shaking-friendly import with local re-exports barrels (MUI) and regularly auditing bundles using Rollup Visualizer and Webpack Bundle Analyzer.
- Implemented authentication and authorization flows (JWT, OAuth2) with NestJS, improving security and scalability of multi-user applications.
- Designed and implemented cursor-based pagination in GraphQL APIs, improving scalability for millions of records and eliminating performance bottlenecks of traditional offset pagination.

[Tech Stack used: React, TypeScript, Tailwind, React Query, GraphQL, Storybook, Redux, Cypress, Jest, Material UI]

Aerion Technologies

04/2019 – 09/2023

Frontend Developer

- Managed multiple projects end-to-end, collaborating with cross-functional teams (design, backend, product) to align engineering work with business goals and ensure 100% on-time delivery of high-quality solutions.
- Developed and integrated backend features using NestJS, enhancing full-stack functionality, improving API performance by 20%, and ensuring reliable data flow for frontend consumption.
- Refined UI/UX with designers, translating Figma designs into responsive, accessible interfaces, resulting in a 15% increase in user satisfaction scores.
- Adopted and implemented a monorepo architecture (NX), enabling shared UI components and services across the web app and CMS, reducing code duplication by 30% and improving maintainability.
- Utilized server-side rendering (SSR) and API routes in Next.js, implementing efficient data fetching, caching, and error handling, which improved page load times by 25% and enhanced overall user experience.
- Built reusable Web Components using Lit, enabling framework-agnostic UI elements that reduced duplication by 20% and improved maintainability.
- Integrated third-party APIs (Zendesk, Recommbee) to extend product functionality, streamline customer support, and enhance personalization, contributing to higher user engagement and retention.
- Contributed to Agile development, participating in sprint planning and stand-ups to ensure timely feature delivery.

[Tech Stack used: React, SCSS, Styled Components, Redux-toolkit, Storybook, Nest, Rest API, Next]

EDUCATION

Anna University, Chennai, India

2014 – 2018

Bachelor of Engineering in Computer

SKILLS & OTHERS

Frontend: React, Next, TypeScript, Redux, Tailwind, Material UI, Storybook, Jest, RTL

Backend: Node.js, NestJS, REST APIs, GraphQL, MongoDB

Tools & Technologies: Docker, Git, CI/CD, Monorepo (NX), Rollup, Webpack

Others: Web Accessibility (WCAG), DSA, Agile/Scrum