Harmeet Singh

Frontend Engineer — React, TypeScript, Next.js

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Summary

Frontend Engineer with 3+ years of experience building scalable React.js and Next.js applications, including reusable component libraries, role-based apps, and third-party API integrations.

Skills

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3
Frontend: React.js, Next.js (App Router), React Query, React Router, Tailwind CSS, Material UI, Shadcn UI, Tiptap (ProseMirror), react-window, react-virtualized
State Management: Zustand, Redux, Context API
Backend: Node.js, Express.js, REST APIs, JWT Authentication, RBAC
Tools: Git/GitHub, Vite, Vitest, Linux, AWS, Claude Code, ESLint, Prettier
Engineering Practices: Web Performance Optimization, Responsive Design, Component Architecture, Unit Testing, Code Reviews, CI/CD, Agile

Experience

Frontend Engineer (SDE-I) Apr 2023 – Present
Omega Broadcast Private Limited

- Migrated a legacy healthcare website to a CMS-driven Next.js (App Router) and Tailwind CSS platform, redesigning the UI from Figma and adding lazy loading and cache components. Raised Lighthouse Performance from 73 to 90 and SEO from 75 to 100.
- Worked on a React Native cab-booking app, using Google geolocation APIs to track real-time location, syncing it through Firebase Realtime Database, and displaying it on a map.
- Designed tag-based cache revalidation with Next.js Cache Components and a revalidation endpoint the backend calls on content changes, refreshing only the affected module without a rebuild.
- Built a configuration-driven form engine supporting 170+ forms with schema-based rendering, validation, and conditional workflows.
- Built a Tiptap (ProseMirror) editor with custom A4 page handling, tables, rich text formatting, shapes, and background images, converting content to HTML for PDF generation; virtualized large lists with react-window.
- Implemented JWT authentication with refresh tokens and RBAC across multiple React apps, and integrated REST APIs with backend engineers using React Query to reduce redundant fetching.
- Extracted reusable libraries (*data-table-material*, *mui-file-uploader* with Canvas API camera capture, and *mui-dynamic-field*) to standardize UI components and reduce duplicated code.
- Integrated Razorpay and Cashfree for eCommerce workflows (dynamic pricing, booking, order management), validated with QA, and built real-time chat and recording workflows with LiveKit and WebSockets.
- Wrote Vitest unit tests across forms, utilities, and components; reviewed teammates' pull requests and suggested UX improvements in admin panels.

Projects

DevFlow AI — Personal Project Live Demo
Next.js, TypeScript, Tailwind CSS, Zustand, Gemini API

- Built an AI tool that converts task descriptions into structured, editable Jira tickets with iterative refinement and version history.

Education

Bachelor of Technology (B.Tech), Computer Science 2019 – 2023
Adesh Institute of Engineering & Technology, Faridkot