

Kunal Khichi

Senior Frontend Engineer | React.js

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PROFILE

Frontend Engineer with **5+ years** of hands-on experience building production-grade web applications, with **deep expertise in React.js, Next.js, and Redux** across healthcare, social commerce, and ride-sharing domains. Currently extending skill set into Vue 2 at **Motadata (ObserveOps NMS)** — an AIOps Network Management System serving operations centers monitoring 10,000+ devices globally. Strong in component architecture, state management, performance optimization, real-time data visualization, and AI-augmented development using Claude Code and Cursor. Open to remote contract and full-time roles building React-based products for global startups and product teams.

EDUCATION

B.Tech in Computer Engineering

07/2013 – 05/2020

SAL Institute of Technology and Engineering Research, Ahmedabad

PROFESSIONAL EXPERIENCE

Software Engineer

02/2025 – Present

Motadata (ObserveOps NMS) | Ahmedabad, India

- Architected and shipped **enterprise-scale Vue 2 + Vuex dashboard modules** for an AIOps NMS serving operations centers monitoring 10,000+ network devices across global enterprise customers.
- Built a reusable **widget framework with Web Workers (Comlink)** powering 15+ chart types (Sankey, Heatmap, TopN, Gauge, Grid) — cutting main-thread blocking by ~70% during high-frequency WebSocket telemetry rendering.
- Led **Vue 3 migration planning** across the codebase — eliminated Vue 2-only patterns and established forward-compatible component standards adopted by the entire frontend team.
- Implemented **real-time alert and notification pipelines** over WebSockets handling 5,000+ events/sec, with client-side throttling, aggregation, and severity-based routing.
- Co-authored **15+ Claude Code skills and project rule files** (design-rules, component-rules, code-style, architecture-rules) used by the team to standardize Vue conventions and accelerate AI-augmented development.
- Built reusable **monitoring report modules** with multi-format export (PDF, email, scheduled) supporting compliance, capacity planning, and operational summaries.

Senior Software Engineer

07/2024 – 01/2025

Albiorix Technology Pvt. Ltd. | Ahmedabad, India

- Developed responsive **React.js and Next.js applications** for international clients, with focus on accessibility, SEO, and cross-browser compatibility.
- Optimized component performance across devices and browsers — improved Lighthouse Performance scores by an average of **40 points** through code splitting, lazy loading, and render-cycle tuning.
- Engaged directly with international clients for **requirement gathering, technical interviews, and delivery** — translated business needs into modular component architectures.

Associate Software Engineer

07/2022 – 07/2024

Mind Inventory | Ahmedabad, India

- Built and maintained **React.js user interfaces** across multiple large-scale production websites with concurrent traffic in the tens of thousands.
- Created a **reusable front-end component library** adopted across 5+ client projects, accelerating delivery time by ~30% and standardizing UI patterns company-wide.
- Partnered with backend, design, and QA teams in **agile sprints** to ship user-facing features, conducted technical scoping calls, and presented demos to international clients.

Jcasp Technologies | Ahmedabad, India

- Handled **live client projects end-to-end**: requirement gathering, timeline estimation, UI implementation, API development, deployment, and post-launch maintenance.
- Designed and implemented **RESTful APIs (Node.js + Express.js)** with JWT authentication, integrated with React frontends for full-stack delivery.
- Translated **Figma designs into pixel-perfect responsive UI** across desktop and mobile breakpoints for client projects spanning healthcare, social, and ride-sharing domains.

KEY PROJECTS

Real-Time Network Operations Dashboard — Motadata

Enterprise NMS dashboard rendering high-frequency WebSocket telemetry for network operations centers. Built Web Worker pipeline (Comlink) offloading data processing, virtual scrolling for million-row tables, and a translator layer between socket events and UI state.

Stack: Vue 2, Vuex, Comlink, WebSockets, D3.js, Less

Healthcare PWA — Online Medical Store

Progressive Web App for prescription-based medicine ordering with real-time pharmacy notification and order tracking. Implemented screenshot-based prescription upload, geolocation-based pharmacy selection, and live order-status updates.

Stack: React.js, Redux, Service Workers, Geolocation API

Social + Commerce Platform

Hybrid platform combining social networking, professional collaboration, and e-commerce. Features include peer-to-peer messaging, media sharing, group collaboration, and integrated marketplace.

Stack: React.js, Redux, Node.js, MySQL

Ride-Sharing Application

On-demand ride-booking platform with real-time driver matching and trip tracking. Designed APIs for ride requests, geolocation-based matching, and live trip status, and mapped them onto the React frontend.

Stack: React.js, RESTful APIs, Maps Integration

SKILLS

Core: React.js, Next.js, Redux, JavaScript (ES6+), JSX, React Hooks

UI & Styling: Tailwind CSS, Material UI, Bootstrap, SCSS, CSS3, HTML5, Responsive Design

State & Data: Redux, Redux Toolkit, Context API, RESTful APIs, JWT Authentication, Recharts

Real-time & Performance: WebSockets, Web Workers, D3.js, Lazy Loading, Code Splitting, Lighthouse Optimization

AI-Augmented Development: Claude Code, Cursor, Claude API, OpenAI API integration, Prompt Engineering

Backend & Tooling: Node.js, Express.js, MySQL, Jest, Webpack, Babel, NPM, Git, GitHub

Additional Exposure: Vue.js 2 (Vuex, Comlink) — currently at Motadata

LANGUAGES & INTERESTS

Languages: English (Professional) • Hindi (Native) • Gujarati (Native) | **Interests:** Building AI-powered tools, Open-source contributions, Emerging frontend & AI technologies