Sanjoy Kumar Mukherjee

Senior Frontend Engineer | React.js | TypeScript | Next.js | Redux Toolkit

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Professional Summary

Senior Frontend Engineer with 5+ years of experience building scalable React.js and TypeScript applications. Led frontend delivery and mentored developers, improving page load time, code quality, and team productivity. Built real-time, data-intensive dashboards (WebSocket) for AdTech, procurement, and healthcare products. Strong in Redux Toolkit, Next.js, REST API integration, Core Web Vitals, and web performance optimization.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frameworks and Libraries:** React.js, Next.js, React Hooks, React Router, Redux Toolkit, Context API, Tailwind CSS, Material UI, Ant Design
- **APIs and Data:** REST API Integration, Axios, WebSocket, MySQL, IndexedDB
- **Performance:** Core Web Vitals, Lazy Loading, Code Splitting, Memoization, Render Optimization
- **Architecture:** Scalable Frontend Architecture, Reusable Component Architecture, Responsive Design, Cross-Browser Compatibility
- **Tools:** Git, GitHub, Vite, Webpack, VS Code
- **Practices:** Agile, Scrum, Code Review, Team Leadership, Mentoring, Stakeholder Management

Work Experience

Project Manager | LYIK Technologies, Bengaluru | May 2026 - Present

- Manage end-to-end project delivery for client engagements, aligning business objectives, requirements, and technical implementation.
- Lead cross-functional teams through Agile and Scrum: sprint planning, daily stand-ups, and project reviews.
- Coordinate development, QA, and business teams to ship quality releases on schedule.

Senior Frontend Engineer and Team Lead | Nivzen Technologies, Gujarat | Feb 2024 - Apr 2026

- Designed a scalable React frontend architecture with reusable components and shared utilities, reducing feature development effort by 25-30% across the OutdoorX and PROCEM platforms.
- Built real-time dashboards using WebSocket for OutdoorX, a hoarding control and automation platform (AdTech, IoT), covering scheduling, device status, and campaign monitoring; improved operational efficiency by about 30%.
- Optimized rendering for continuous high-frequency data updates with lazy loading, code splitting, and memoization, improving page load speed by 30-40%.

- Built vendor bidding, bid comparison, and analytics dashboards for PROCEM, a procurement management system, cutting vendor selection time by about 30%.
- Integrated REST APIs with error handling and loading states, reducing frontend-related production issues by 20% and manual intervention in scheduling by about 40%.
- Led frontend delivery, code reviews, and best practices, reducing rework; mentored junior developers, improving team productivity.
- Contributed to architectural decisions, selecting tools and optimization strategies for scalability, maintainability, and performance.

Frontend Developer | Dataivory Global Services, Bengaluru | Sep 2021 - Jan 2024

- Developed and maintained healthcare web applications using React, TypeScript, Hooks, and JavaScript (ES6+), supporting complex clinical workflows.
- Delivered responsive, pixel-perfect UIs, improving cross-browser consistency and reducing UI-related bugs by about 10%.
- Applied lazy loading, code splitting, and component-level optimizations, reducing initial page load time by 5-15%.
- Integrated RESTful APIs, reducing API-related UI issues by about 15%; collaborated with designers, backend engineers, and QA, reducing post-release defects.

Education

B.Tech and M.Tech | ITM University, Gwalior, Madhya Pradesh, India