SANJOY KUMAR MUKHERJEE

Sr. Frontend Engineer & TL | React | Javascript | Performance Optimization

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CAREER SUMMARY

Frontend Engineer with 4+ years of experience building scalable, high-performance web applications using React, Next.js, and modern JavaScript. Experienced in designing reusable component architectures, optimizing frontend performance, integrating REST APIs, and leading frontend teams. Delivered production-grade procurement and healthcare platforms used by real businesses across multiple domains.

SKILLS

- **Frontend:** React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, React Hooks, React Router, Redux Toolkit, Context API
- **Performance:** Lazy Loading, Code Splitting, Memoization, Web Performance Optimization
- **Databases & Storage:** MySQL, IndexedDB

- **Tools:** Git, GitHub, Vite, Webpack, VS Code
- **Practices:** Responsive Design, Cross-Browser Compatibility, Reusable Component Architecture, Code Review
- **Backend Integration:** REST APIs, API Integration, Authentication, JSON

WORK HISTORY

Senior Frontend Engineer & Team Lead |Nivzen Technologies, Gujarat   **Feb/2024 to Present**

- Designed and implemented a **scalable frontend architecture**, reducing feature development effort by **25–30%** through reusable components and shared utilities.
- Optimized application performance using **lazy loading, code splitting, memoization, and render optimization**, improving page load speed by **30–40%**.
- Built and maintained **data-intensive dashboards** handling real-time updates, improving UI responsiveness by **~25%**.
- Integrated **REST APIs** with robust error handling, reducing frontend-related production issues by **20%**.
- Led frontend delivery, conducted **code reviews**, and enforced best practices, improving code quality and reducing rework by **~30%**.
- Mentored junior developers, accelerating onboarding and improving team productivity by **20–25%**.
- Contributed to **technical and architectural decision-making**, selecting tools and optimization strategies aligned with scalability and performance goals

Frontend Developer| Dataivory Global Services, Bengaluru   **Sep/2021 to Jan/2024**

- Developed and maintained **high-performance healthcare web applications** using **React, Hooks, JavaScript (ES6+), and basic TypeScript**, supporting complex workflows.
- Delivered **responsive, pixel-perfect UI implementations**, improving cross-browser consistency and reducing UI-related bugs by **~10%**.
- Implemented **lazy loading, code splitting, and component-level optimizations**, reducing initial page load time by **5–15%**.
- Integrated frontend applications with **RESTful APIs**, improving data rendering efficiency and reducing API-related UI issues by **~15%**.
- Collaborated with designers, backend engineers, and QA teams to deliver **production-ready features**, reducing post-release defects by **~10%**.

KEY PROJECTS

OUTDOORX – Smart Hoarding Control Platform
Domain: AdTech / IoT / Automation
Role: **Senior Frontend Engineer & TL**

- Developed a **real-time hoarding control and automation platform**, improving operational efficiency by **~30%** through centralized scheduling and monitoring.
- Built **real-time dashboards** for hoarding status and usage tracking, improving decision-making speed by **~25%**.
- Designed frontend architecture to handle **continuous real-time updates** while maintaining smooth UI performance.
- Integrated automation APIs ensuring **accurate execution of schedules**, reducing manual intervention by **~40%**.
- Applied performance optimizations to maintain responsive UI under high-frequency data updates.

PROCEM – Procurement Management System
Domain: Procurement / Automation
Role: **Senior Frontend Engineer & TL**

- Built a **React-based procurement platform** enabling vendor bidding and buyer comparison workflows.
- Developed **bid comparison and analytics dashboards**, reducing vendor selection time by **~30%**.
- Improved UI scalability and maintainability, reducing enhancement turnaround time by **~25%**.

PHARMALINKAGE – Pharmaceutical Supply Chain Platform
Domain: Supply chain / Automation
Role: **Frontend Developer**

- Developed frontend modules for **inventory tracking and order management**.
- Integrated multiple backend APIs, improving real-time data accuracy and visibility by **~20%**.
- Optimized UI workflows, reducing operational delays by **~15%**.

RESEARCH WORK

PUBLICATION:
A numerical simulation of Natural Convection in a porous enclosure filled with nanofluid **[PUBLISHED in SMA Publications (UGC Care)]**

EDUCATION

B.TECH + M.TECH | ITM University
Gwalior, M.P, India

XII Senior Secondary| Bidhan Chandra Institution
Durgapur, W.B, India

TRAINING

Java Full Stack training at Tap Academy: Learned Java, OOPS, Collection, SQL & Frontend Technologies.

ACHIEVEMENTS

Cambridge British English Certification: Cambridge English Entry Level Certificate

LANGUAGES:

English: Full Professional Proficiency

Hindi: Full Professional Proficiency

Bengali: Full Professional Proficiency