

Saurav Sharma

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Summary

Frontend Developer with experience in building scalable, performance-optimized web applications using React, Next.js, and TypeScript. Skilled in state management, real-time systems, and modern frontend architecture, with hands-on experience working in Agile environments.

Skills

Web Technologies: HTML, CSS, Javascript, Typescript.
Frameworks/Libraries: React.js, Next.js, TanStack Router, TanStack Query, Redux, Zustand.
UI & Visualization: Tailwind CSS, Shadcn UI, Ant Design, Recharts.js, Leaflet, Material UI.
Tools & DevOps: Git, Gitlab, Docker, Netlify, Vercel.

Work Experience

YoungInnovations Pvt. Ltd. **Kathmandu, Nepal**
Frontend Developer **Jan 2025 – Present**

- Optimized real-time data processing and frontend performance across various projects by implementing Server-Sent Events (SSE) and Leaflet, successfully reducing data latency by 40% for high-frequency dashboard updates.
- Designed and implemented a reusable UI component library using Tailwind CSS and Shadcn UI, decreasing frontend development time for new features by 25%.
- Optimized frontend performance and asset loading, resulting in a 15% improvement in Lighthouse performance scores for core application modules.
- Collaborated in an Agile environment to deliver high-impact features through automated CI/CD pipelines, maintaining a 99% deployment success rate.

Frontend Intern **Aug 2024 – Dec 2024**

- Converted complex Figma wireframes into responsive pages using HTML and SASS, achieving 100% design-to-code fidelity across 5+ primary web modules.
- Developed a centralized SASS mixin and variable architecture that reduced CSS redundancy by 30% and streamlined global styling updates.
- Integrated frontend components with RESTful APIs and implemented robust error handling, reducing client-side runtime errors by 20%.
- Collaborated on a social media dashboard using React.js and Redux, improving state management efficiency for real-time user interactions.

Projects

Air Traffic Flow Management | *React, Tanstack Query, Recharts, Leaflet* Jan 2026

- Optimized real-time data flow by implementing Server-Sent Events (SSE) to synchronize live air traffic updates and system-wide notifications.
- Integrated react-virtuoso to efficiently virtualize large data tables, ensuring smooth performance for heavy datasets.
- Built dynamic analytical charts using Recharts.js to translate flow management data into visual insights.
- Utilized Ant Design libraries to construct modular, responsive UI components, ensuring a consistent design system.

Real-time Chat Application | *Socket.io, Zustand, TanStack Router* Dec 2025

- Architected low-latency UI updates using Socket.io and Zustand to manage bi-directional communication for private and group chat features.
- Ensured type-safety across the application using TanStack Router for robust navigation and search params.

Education

Oriental College of Technology Bhopal, India
B.Tech in Computer Science (Cyber Security) – CGPA: 8.87/10 2020 – 2024
Dav Sushil Kedia Vishwa Bharti Kathmandu, Nepal
High Schooling (Grade: 80.83%) 2018 – 2020

Certifications

Meta: Frontend Developer Professional Certificate
IBM: CyberSecurity Analyst Professional Certificate
EC-Council: Ethical Hacking Essentials