LALIT PURI

Frontend Engineer

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PROFILE

Frontend Developer with four years of experience building scalable, high-performance web applications. Specialized in React, TypeScript, and modern UI architecture, with hands-on experience in NestJS.

Experienced in designing reusable component systems, including custom component libraries at John Snow Labs, enabling consistent and scalable UI development across complex AI-powered applications. Proven ability to deliver end-to-end features and collaborate across frontend, backend, and AI teams.

WORK EXPERIENCE

SENIOR FRONTEND ENGINEER, *John Snow Labs* 05/2025 – Present

AI Product & Frontend Leadership

• Leading frontend development for SWS, an AI-powered platform for real-time conversational and analytical workflows.
• Designed and built real-time AI chat interfaces for seamless interaction with LLM-based systems.

Component Architecture & UI Systems

• Built and scaled a custom component library using React, TypeScript, Tailwind CSS, and Ant Design, improving UI consistency and development speed.
• Developed reusable, high-performance UI components with optimized server-state handling via React Query.

Product Development

• Delivered key modules including Patient Journey, Knowledge Base, and Vector Database (VDB) integrations.
• Ensured consistent UX patterns across multiple product features and workflows.

Backend & Integration

• Contributed to backend services using NestJS, building REST APIs for chat workflows and knowledge retrieval.
• Integrated frontend with APIs, ensuring robust data contracts, error handling, and performance optimization.

Collaboration & Impact

• Worked closely with AI and backend teams to ship end-to-end features and improve system performance.

SOFTWARE ENGINEER I, *Coding Mountain*

10/2022 – 05/2025

Frontend Development

• Built frontend for a World Bank-funded government project using React, Tailwind CSS, Context API, React Hook Form, and React Query.
• Led frontend development for a Next.js 14 (App Router) project using Context API, Socket.io, custom hooks, and HOCs.

Full-Stack Contributions
• Implemented Node.js-based authentication and secure API integrations.
• Developed and maintained employee and leave management systems using React and TypeScript.

Additional Projects
• Built a browser extension using Vue.js along with its supporting web platform.
• Contributed to an e-learning platform (Moodle) using SASS for scalable styling.

Mentorship
• Mentored junior developers on clean code, debugging, and frontend best practices.

FRONT END INTERN / TRAINEE, *Coding Mountain* 04/2022 – 09/2022

- Contributed to landing pages for Chrome extensions and mobile launcher applications.
- Worked on a Laboratory Management System (LMS) using React, TypeScript, and Redux best practices.
- Supported frontend development for a CRM application, focusing on UI implementation and usability improvements.

EDUCATION

B.Tech Computer Engineering and Science, *IK Gujral Punjab Technical University* 2018 – 2022

TECHNICAL SKILLS

Languages
JavaScript, TypeScript, Python

Frontend
React.js, Next.js, HTML, CSS, SASS, Tailwind CSS

Backend
Node.js, NestJS, REST APIs, Authentication

State & Data Management
React Query, Redux, Context API

Real-Time & Integrations
Socket.io, WebSockets

Tools
Git, GitHub, GitLab

SOFT SKILLS

- Collaborated across frontend, backend, and AI teams
- Owned features end-to-end (design to production)
- Mentored developers and enforced clean code practices
- Solved complex UI and state management challenges