Prajjwal Singh

Senior Frontend Engineer | Full-stack Engineering | AI Engineering

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Building scalable web and mobile applications through frontend architecture, AI-driven engineering, and high-impact product development

PROFILE SUMMARY

- Senior Frontend Engineer with **7+ years of experience** building scalable **web applications and SPAs** using **React.js, TypeScript, JavaScript, Next.js, Redux.**
- Expertise in **frontend architecture, reusable component libraries, design systems, workflow-driven applications, performance optimization**, and **enterprise SaaS products supporting 20,000+ users**.
- Hands-on experience with **AI-agent development workflows**, **LLM coding assistants**, **prompt engineering**, and **RLHF**, alongside **technical leadership, mentoring, and cross-functional product delivery.**

CAREER HIGHLIGHTS

- Architected and delivered AI-agent-driven development workflows at Turing, automating feature implementation, testing, and PR generation to **reduce delivery timelines by 60%** and **engineering effort by 60%**.
- Led frontend modernization initiatives by migrating production build infrastructure from Webpack to Vite, achieving **4x faster build performance** and improving developer productivity.
- Built enterprise fintech, SaaS, and AI product experiences, including payment workflows, accounting modules, chatbot builders, and automation solutions supporting **20,000+ users/month**.
- Developed Tekion's Bank Deposits interface for **30,000+ daily financial modifications** and improved delivery speed through reusable components and modular UI architecture.

TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Python
Frontend	React.js, Next.js, Redux, React Native,HTML5, CSS3, SASS
Backend and Data	Node.js, Express.js, MongoDB, SQL, REST API
Build and DevOps	Webpack, Vite, Git, GitHub, CI/CD
AI and LLM	Anthropic Claude Code, OpenHands, Prompt Engineering, RLHF, AI Agents
Testing and Practices	Unit Testing, Jest, Cypress, Component-Based Architecture, Responsive Web Development, Performance Optimization

WORK EXPERIENCE

Sr Software Engineer - Contract | Turing | Remote | Jun 2024 - Present

- Architected an AI-agent-driven software development pipeline to automate feature development, testing, and pull request generation for full-stack applications, reducing delivery timelines by **60% (5 weeks to 2 weeks)** while decreasing team dependency from 5 to 2 engineers.
- Built a GitHub workflow integrating Claude Code and OpenHands agents to implement tasks, generate tests, and create pull requests with human approval checkpoints.
- Fine-tuned and evaluated Google Gemini and Anthropic Claude models, applying prompt engineering and RLHF to improve Frontend, JavaScript, and React code generation.

Frontend Developer II | Devtron | Gurgaon | Sep 2023 - Feb 2024

- Spearheaded migration of the production build system from Webpack to Vite, accelerating build performance by 4x within four weeks.
- Redesigned Lock Config, App Details Card, and App Configurations, improving usability and visual consistency.
- Onboarded and mentored engineers and conducted technical interviews for Software Development Engineer positions.

Software Engineer II - Frontend | Tekion | Bengaluru | Feb 2022 - Aug 2023

- Delivered the Tekion Pay portal interface for the Accounting module by integrating Stripe APIs for secure card and POS terminal payment workflows.
- Developed a reusable React Higher-Order Component to standardize localization of dates, currencies, and phone numbers across the Accounting platform.
- Engineered the Bank Deposits feature, supporting over **30,000 daily financial transaction modifications** through a high-volume CRUD application.

Frontend Developer | Helpshift | Pune | Apr 2021 - Feb 2022

- Contributed to the Chatbot Builder, a drag-and-drop workflow designer, using React, Reflux, and Cypress.
- Improved frontend responsiveness by optimizing application performance and developing reusable UI components.
- Implemented OR-based conditional logic and helped evolve the Chatbot Builder into a flagship product serving **20,000+ monthly users.**

Software Engineer II | Sureify | Hyderabad | Apr 2020 - Apr 2021

- Built a configurable form-builder component for the Acquire Questions Builder, enabling dynamic conditional question flows.
- Streamlined customer onboarding workflows, reducing implementation timelines from **1-2 months to 5-10 days.**

Software Engineer | Sureify | Hyderabad | Jun 2019 - Apr 2020

- Established a reusable UI component library for the Acquire platform, improving development consistency and productivity.
- Built an embedded PDF viewer and co-led Acquire 2.0 UI modernization through phased implementation and development coordination.
- Contributed to workflows that generated **millions in revenue** and established Acquire as Sureify's flagship product.

EDUCATION AND CERTIFICATION

- **Executive Post Graduate Programme in Applied AI and Agentic AI** | Pursuing, 2026 - Present | International Institute of Information Technology Bangalore (IIIT Bangalore).
- **Bachelor of Technology in Computer Science and Engineering** | 2015 - 2019 | Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Jabalpur.

PROJECTS

Athletes Academy (Stealth Startup) | Dec 2023 - Oct 2024
Tech Stack: Flutter, React.js, Node.js, Express.js, MongoDB
Overview: Built mobile and web products connecting athletes with coaches through paid chat, audio, and video consultations; led product development and mentored a student team.

Neev (Stealth Startup) | Apr 2021 - Dec 2021
Tech Stack: React Native, Flutter
Overview: Owned end-to-end Android and iOS development for a construction-material procurement application.

Acquire Platform - Sureify | 2019 - 2021
Tech Stack: React.js, JavaScript, HTML, CSS
Overview: Built reusable components, dynamic form builders, a PDF viewer, and onboarding workflows for Sureify's revenue-generating flagship platform.

Chatbot Builder - Helpshift | 2021 - 2022
Tech Stack: React.js, Reflux, Cypress
Overview: Built reusable components and workflow features for a drag-and-drop chatbot product serving 20,000+ monthly users.