

SUSHANT GULATI

SENIOR FRONTEND ENGINEER (SDE-3)

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PROFILE

Senior Frontend Software Engineer with 6+ years of experience, specializing in high-performance React and TypeScript applications. Skilled in architecting large-scale browser-based editors and scalable state management systems, emphasizing performance and maintainability. Proven track record of developing AI-powered product experiences and integrating agentic workflows to enhance development efficiency.

SKILLS

Frontend: React.js, TypeScript, Redux, Zustand, Vite, Frontend Architecture, Performance Optimization

Backend & Platform: Node.js, Express.js, Cloudflare Workers, API Design

Engineering Tools: Github Actions, CI/CD, Vitest/Jest, Git, AI-assisted development tools (Claude, Cursor)

EXPERIENCE

Certa.ai | SDE-3 (Mar 2025 – Present)

- Led the 0 -> 1 FE development of Risk Agent, an AI-powered assessment engine enabling automated security document analysis against SIG frameworks and reducing vendor assessment turnaround time **from ~2 weeks to ~20–30 minutes**
- Defined the architecture and delivered Workflow Preview, a **WYSIWYG workflow designer** with AI capabilities enabling clients to build, visualize, validate, and deploy complex workflows.
- Established a **canonical application representation model** in collaboration with backend teams, creating a reusable foundation that enabled holistic application context in the frontend, unlocked future UX capabilities, and provided AI Agents with richer context for intelligent decision-making.
- Led technical design and implementation of Data Warehouse and Reporting capabilities, defining **frontend architecture and data visualization patterns** that enabled scalable analytics experiences from ingestion to customer-facing insights
- Improved engineering quality through architecture reviews, design reviews, and mentoring an SDE-1 engineer toward independent ownership and personal growth

Certa.ai | SDE-2 (Mar 2023 – Feb 2025)

- Drove a major Studio performance overhaul by redesigning the client-side persistence architecture. Reduced startup time from **~10 seconds to ~100 milliseconds (99% improvement)** and optimized IndexedDB usage **from ~25k operations to a single startup operation**.
- Designed a scalable reference resolution engine to enable near **O(1) access to large configuration datasets**, which reduced editing latency and enabled the platform to support **10x larger enterprise-scale workflows**.
- Led the design and implementation of core editing capabilities, including **Undo/Redo, Autosave, and transactional edits**. Delivered a safer editing experience with reliable iterative changes and reduced risk of accidental data loss.

- Owned end-to-end development of serverless activity logging system using **Cloudflare Workers** without requiring additional backend services.
- Designed and implemented Studio **unified data layer architecture**, decoupling business logic from persistence to enhance testability and establish a stable foundation for multiple editing experiences and future capabilities.

Certa.ai | Frontend Engineer (Aug 2021 – Feb 2023)

- Delivered no-code Studio platform from concept to **MVP in under three months** with a team of three, enabling enterprise customers to visually configure complex TPRM workflows for **Fortune-500 companies**
- Built a configurable homepage framework that enabled organizations to customize quick-access tiles for launching workflows without requiring code changes
- Contributed to code reviews, frontend interview panels, and hiring

Attosol | Software Development Engineer (Dec 2019 – Jul 2021)

- Recognized as **Top Performer of the Year (2020-21)** within the Development Team for building and delivering the frontend module for an enterprise emailing solution.
- Built responsive, reactive web applications using React, delivering intuitive user experiences for the SaaS platform
- Developed backend services for multi-tenant SaaS applications using Node.js, building scalable APIs and supporting tenant-specific application workflows.

EDUCATION

Bachelor of Technology (CSE), 2016 – 2020

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