SUJAL SHAH

Senior Software Engineer

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SUMMARY

Senior Software Engineer with nearly 5 years in React and TypeScript, focused on design systems, web performance and AI developer tools. Owns the web platform behind ZURU's robotic home factories and created v0.diy (170+ GitHub stars).

EXPERIENCE

ZURU Tech **Ahmedabad, India**

Builds robotic factories that manufacture homes, and the software that runs them.

Senior Software Engineer Mar 2025 – Present

- Own the web platform for ZURU's Manufacturing Execution System (MES), the real-time React and TypeScript application that runs robotic home-building lines in **3+ factories**.
- Built Aurora, ZURU's design system: **60+** typed React components and **400+** icons in an Nx monorepo with Changesets releases, used by every ZURU web application.
- Migrated the live MES client to Aurora with **zero factory downtime**, cutting load time by **50%** and bundle size by **80%** through code splitting and dependency pruning.
- Mentor **3 engineers** and run sprint planning and code reviews; work daily with the China team (**4 on-site trips**), earning the ZURU Collaboration Award (2026).
- Moved the MES codebase from self-hosted GitLab to GitLab.com with full commit history.

Software Engineer II Jan 2024 – Mar 2025

- Built the factory dashboard from scratch: a live map of **4 AGVs** (robot vehicles) on the raw Canvas API, plus the operator terminal used on the factory floor.
- Shipped version history, folder sharing and role-based access control (RBAC) for DreamCatcher, ZURU's project tool; moved its maps to Azure Maps and media to AWS S3.

Software Engineer May 2022 – Dec 2023

- Rewrote the legacy MES web client in React and TypeScript in **3 months**.
- Added English and Chinese localization with react-i18next, so China factory teams use the MES in their own language.

Software Engineer Intern Jan 2022 – Apr 2022

PROJECTS

v0.diy | *Next.js, TypeScript, Vercel AI SDK, PostgreSQL, Prisma* Live | GitHub

- Open-source AI React component generator with live preview; **170+** GitHub stars, **80+** forks.

Open-source contributions | *Vite, StackBlitz bolt.diy* Vite PR | bolt.diy PRs

- Merged Vite PR #22687 (module IDs with multiple null bytes) and **9 PRs** to bolt.diy (prompt caching, chat search).

Modern Face API | *TypeScript, TensorFlow.js, Rollup* Live | npm | GitHub

- TypeScript rewrite of face-api.js, about **3x faster**; around **1,400** npm downloads a month. Won Code Resurrection 2025.

Faber UI | *React, Base UI, Tailwind CSS v4, shadcn* Live | GitHub

- **60** shadcn-compatible components, **122** semantic tokens, **1,170** theme combinations, zero runtime dependencies.

SKILLS

Languages:	TypeScript, JavaScript, Python, SQL, HTML, CSS
Frameworks:	React, Next.js, Node.js, Express, Tailwind CSS, Zustand, TanStack Query, Prisma
Engineering:	Design Systems, Nx Monorepos, Web Performance, Canvas API, Real-time UIs (WebSockets), RBAC, i18n
AI:	LLM Integration, Model Context Protocol (MCP), Vercel AI SDK
Tools:	Git, CI/CD (GitHub Actions, GitLab CI), Docker, AWS S3, PostgreSQL, MongoDB, Redis, Linux, Figma

EDUCATION

K. S. School of Business Management, Gujarat University Ahmedabad, India

Master of Science (MSc), Computer Applications & IT *2022*

AWARDS

Hackathons:	1st Place, Code Resurrection (2025) and Neuro Nostalgia (2024); 3rd Place and Best Technical Excellence, PyWeb Creators (2025); 3rd Place, Blazing Fast URL Shortener (2025)
ZURU Tech:	Collaboration Award (2026)