# SUJAL SHAH

**Senior Software Engineer**

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## SUMMARY

Senior Software Engineer with nearly 5 years building React and TypeScript applications, design systems and AI developer tools. Owns the web platform for ZURU Tech's Manufacturing Execution System, live in 3+ robotic factories, and built the design system every ZURU web application uses. Creator of v0.diy (170+ GitHub stars) and contributor to Vite and bolt.diy.

## EXPERIENCE

**ZURU Tech** **Ahmedabad, India**

*Builds robotic factories that manufacture homes. The MES is the real-time application that runs their production lines.*

**Senior Software Engineer** Mar 2025 – Present

- Own the web platform for ZURU's Manufacturing Execution System (MES), the real-time React and TypeScript application operators use to run robotic home-building lines in 3+ factories; set its architecture and performance budgets.
- Built Aurora, ZURU's company-wide design system: an Nx monorepo of 60+ typed React components and 400+ icons with Changesets releases, adopted by every ZURU web application.
- Migrated the live MES client onto Aurora screen by screen with zero factory downtime, and cut load time and bundle size through route-level code splitting, dependency pruning and asset optimization.
- Mentor 3 engineers and run sprint planning, backlog grooming and code reviews; partner daily with the China engineering 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 application from scratch, including a live AGV (robot vehicle) map rendered on the raw Canvas API and an operator terminal used on the factory floor.
- Delivered version history, folder sharing and role-based access control (RBAC) for DreamCatcher, ZURU's project management tool; moved its maps to Azure Maps and media storage 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 could use it in their own language.

**Software Engineer Intern** Jan 2022 – Apr 2022

## PROJECTS & OPEN SOURCE

**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, sidebar).

**Modern Face API** | *TypeScript, TensorFlow.js, Rollup* 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

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| **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

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| **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) |