

SUJAL SHAH

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Senior Software Engineer (React/Next.js) | Front-end architecture, performance engineering, design systems

Front-end engineer with 4+ years at ZURU Tech, leading teams, modernizing UI systems and building fast enterprise dashboards with React, Next.js and TypeScript. Promoted to Senior MES Developer in 2025 and now lead a team of 3, after driving a full UI revamp, rebuilding a fully typed, pixel-perfect design system and cutting load times and bundle sizes across core applications. I own front-end architecture, performance work and sprint planning, coordinate daily with the China engineering team, and mentor junior developers.

PROFESSIONAL EXPERIENCE

ZURU Tech, India

ZURU Tech builds end-to-end digital solutions for automated homebuilding, including design tools, manufacturing systems and factory software for construction.

Senior MES Developer | Mar 2025 - Present

- Lead front-end development for ZURU's MES dashboards using React, Next.js and TypeScript.
- Designed a fully typed, pixel-perfect design system as an Nx monorepo with 60+ components and a 400+ icon set.
- Drove a full UI revamp, moving the live MES client onto the new design system page by page.
- Reduced load times and bundle sizes across factory dashboards and core applications.
- Lead and mentor a team of 3 engineers, running sprint planning, backlog grooming and code review.
- Coordinate daily with the China engineering team on requirements and delivery; worked on-site in China 4 times.
- Moved the MES codebase from self-hosted GitLab to GitLab.com with its full commit history intact.
- Own front-end architecture and performance standards, and wrote the team's coding standards and documentation.

Software Engineer, SDE-II | Jan 2022 - Mar 2025

- Rewrote the MES web client in React within 3 months and added English and Chinese localization with react-i18next.
- Built the factory dashboard app from scratch, including AGV map views and an operator terminal.

PROJECTS

MES Dashboard Modernization & UI Revamp

- Led the modernization of MES dashboards used across factory operations, improving load speed by 35% and reducing bundle size by 30% through code-splitting, dependency cleanup and asset optimization. Moved every module onto the new design system and cut new feature development time by roughly 25%.

Aurora Design System - Fully Typed Component Library

- Rebuilt the design system as a fully typed, performance-focused component library used by multiple internal teams. Delivered 60+ reusable, pixel-accurate components with strict types and predictable APIs, reducing UI bugs by 40% and onboarding time for new developers by 20%. Added Changesets releases and snapshot tests to keep MES and DreamCatcher modules consistent.

DreamCatcher - Project Management Tool

- Built key features for DreamCatcher's project management system, including version history, folder sharing and role-based access control, and reduced project-related UI errors by 25% through better state management and validation. Moved project maps to Azure Maps and media storage to AWS S3.

AWARDS

- **Collaboration Award, ZURU Tech** (Mar 2026) - cross-functional teamwork with manufacturing and the China team
- **1st Place, Code Resurrection Hackathon** (2025) - rebuilt face-api.js in TypeScript, about 3x faster, published on npm
- **1st Place, Neuro Nostalgia Hackathon** (2024) - AI tool that restyles modern websites as 90s designs
- **3rd Place and Best Technical Excellence, PyWeb Creators Hackathon** (2025) - real-time AI whiteboard
- **3rd Place, Rust Hackathon** (2025) - high-performance URL shortener in Rust

EDUCATION

MSc. (CA & IT) | KSSBM, GU | 2020 - 2022 | GPA: 4.1/5.0

BSc. (CA & IT) | KSSBM, GU | 2017 - 2020 | GPA: 3.8/5.0

COURSEWORK & CERTIFICATIONS

- **Prompt Engineering for Everyone** - IBM (May 2025)
- **React: The Complete Guide (incl. Hooks, React Router, Redux)** - Udemy