# SUDHEER SINGH

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## PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 9+ years building high-performance web applications and developer tools at scale. 7+ years deep expertise in React, TypeScript, and Node.js — spanning frontend architecture, design systems, serverless backends, and AI-powered agentic platforms. Led teams of up to 8 engineers, architected systems serving users across 3 countries, and shipped an AI coding agent used by thousands of frontend developers. Passionate about developer tooling, agent orchestration, and building scalable full-stack infrastructure.

## SKILLS

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|---|---|
| **Core** | JavaScript, TypeScript, HTML, CSS, C++, Java |
| **Frontend** | React, Next.js, Redux, React Native, SolidJS, Styled-Components, SCSS, Storybook, Webpack, Vite |
| **Backend & Cloud** | Node.js, AWS (SAM, CDK, DynamoDB, S3, ECS, CloudFront), Firebase, PostgreSQL, Redis, Spring Boot |
| **Testing** | Cypress, Jest, React Testing Library |
| **DevOps & Tools** | Docker, GitHub Actions, Bash, Vercel, Cloudflare, Webflow, GTM, ESLint, Prettier |

## EXPERIENCE

### Senior Product Engineer
Mar 2024 – Present

*Kombai — AI Agent for Frontend Development · Pune, India*

- Architected and shipped an **agentic AI platform** for frontend development — a coding agent with deep browser access, Figma integration, and repo-aware code generation used by thousands of developers
- Designed the **agent orchestration layer** — multi-step task planning, domain-specialized execution, and optimized agent variants across multiple AI models
- Engineered **markdown-optimized prompt pipelines** — structured context retrieval, component indexing, and design token extraction for LLM code generation
- Built a **VS Code extension** with workspace refactoring, autocomplete, and Figma-to-code conversion for 400+ frontend libraries
- Engineered serverless backends (AWS SAM, CDK, DynamoDB) with SolidJS/React/TypeScript frontends; automated CI/CD via GitHub Actions and Docker

### Lead Front-End Engineer
Jul 2020 – Mar 2024

*Syfe — Retail Investment Platform (Singapore, Australia, Hong Kong) · Gurgaon, India*

- Led **8 frontend engineers**; designed sprint processes, OKRs, and career progression framework adopted across engineering
- Spearheaded migration to **Next.js and TypeScript**; delivered PageSpeed improvement from **~30 to 90+** via code splitting, lazy loading, and SSR
- Architected CSS-in-JS design system, localization framework, analytics pipeline, and backend-driven widget framework serving **3 markets**
- Migrated pages to Webflow, empowering non-technical teams — reducing page launch time by **80%**
- Established automated testing and monitoring that reduced production incidents by **40%**

### SDE-II
Aug 2018 – Jul 2020

*Synaptic — Alternate Data Platform for VC Firms · Gurgaon, India*

- Improved render performance by **200%** and reduced Time to Interactive from **10s to 2s** through React optimization
- Built and open-sourced **"Tuxedo,"** a reusable React component library used across multiple products

### Software Engineer
Nov 2017 – Aug 2018

*Classplus — White-Label Platform for Tutors · Noida, India*

- Built the entire web platform from scratch as the sole frontend engineer using React, Redux, and Redux Saga — delivered MVP in under **4 months**

### Software Engineer
Nov 2016 – Nov 2017

*Kwench (Acquired by O.C. Tanner) — Reward & Recognition SaaS · Noida, India*

- Led migration from JSP/Stripes to Spring Boot, PostgreSQL, and Angular; delivered full-stack REST APIs and web interfaces

## EDUCATION

**B.Tech, Information Technology**
Ajay Kumar Garg Engineering College, Ghaziabad (2012–2016)

## ACHIEVEMENTS

**CodeChef Division 1** — Peak rating 2042
Best Global Rank **#202** in Long Contest