Sanatan Chaudhary [Full Stack Engineer & Lead]

📍 *Bangalore, India*

A seasoned full-stack engineer with 8+ YOE, developing 0 → 1 products, building teams, and working across the stack. I've built and led engineering teams, set technical direction and delivered high-quality products in fast-paced, early-stage startups working on everything from scrappy MVPs to scaling in production.

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Glitch.house

Founding Member, Lead AI Engineer

Oct 2024 - May 2025

Launching Soon

Glitch.house is an AI-powered discovery platform for DIY hardware enthusiasts: offering structured build guides, component lists and personalised recommendations. Launching soon on iOS, Android & Web.

- **Hired and mentored a remote intern team** to develop a cross-platform frontend monorepo (Next.js, React Native & tRPC), balancing high craft with rapid MVP delivery.
- **Built an end-to-end ETL pipeline using Stagehand & Crawl4AI** to crawl 100K+ DIY projects and third-party assets in order to feed clean, structured data into downstream AI pipelines.
- **Engineered multi-stage AI workflows** to enforce quality/reproducibility checks, process 500K+ images, extract component metadata and generate detailed, image-rich build guides using **Goose** and **Langchain**.
- **Created "Goose", a type-safe, event-driven AI workflow library** with built-in context management and built an **internal dashboard** to orchestrate, monitor and iterate LLM workflows.
- **Engineered an embedding-based recommender system** that leverages OpenAI embeddings and Pinecone to match users with projects via AI-generated and user-selected onboarding tags.

the Dot Studio

Founding Member, Head of Technology

Dec 2023 - Aug 2024

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Dot Studio empowers schools to grow and build lasting impact as educational brands, serving as their one-stop solution for all things admissions: launched by Tekie's founding team to drive admission outcomes while developing deep, first-principle insights for our long-term EdTech thesis.

- **Built and led a three-engineer team** to deliver scalable web solutions for A-tier IB and premium K-12 schools.
- **Architected a component-driven ReactJS/Astro framework** with TinaCMS, enabling rapid site development and customisable themes to support diverse brand identities.
- **Developed an interactive Bangalore schools map** (ReactJS + Google Maps API), showcasing competitor analysis and location-based insights in client demos.
- **Automated the reporting pipelines with the operations team**, providing schools real-time insights into performance and spend.
- **Co-developed an EdTech thesis** for a new-age mass premium K-12 school, reimagining how kids learn by making learning more personalised and collaborative.

Tekie

Founding Member, Frontend Lead

Jun 2017 to Oct 2023

THE TIMES OF INDIA

Inc42

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Tekie is a school-focused platform with a hands-on approach that uses storytelling and immersive content to teach coding and new-age skills. After raising $1.5 million from GSV, Multiply Ventures and Better Capital, Tekie was acquired by Uolo (raised $25.5 million), now driving 80% of their top-line revenue. Currently, Tekie serves 500K+ students across 1000+ schools pan-India.

- **Led 0 → 1 development** of cross-platform web (**React**), mobile (**React Native**) & desktop (**Electron**) apps on a Node.js/GraphQL/MongoDB/AWS stack, serving **500K+ users**.
- **Engineered Duck-State, a GraphQL cache** built on Redux & Immutable.js that auto-normalises responses and cuts redundant calls by **~30%**.
- **Extended a CRA codebase with custom SSR and data prefetching** (akin to Next.js *getServerSideProps*), slashing page-load by **80%**.
- **Overhauled frontend for offline-first persistence** and proactive query prefetching, reducing P95 load time from 10s **to under 1s**.
- **Optimised backend APIs** with Redis and CDN caching, cutting response time by **60%**.
- **Built multiple coding tools:** an offline Python editor powered by WASM, an HTML/CSS/JS playground, a drag-and-drop Blockly playground and a mobile-based editor with IntelliSense-style autocompletion.
- **Drove on-site user research at 30+ schools,** uncovering edge-cases and refining features through direct teacher and student feedback.

Technical Skills:

Core Stack
TypeScript, React, Next.js, React Native, Electron, Node.js, tRPC, GraphQL, Redux, Zustand, HTML/CSS, Python

Infra/Data & AI
LangChain, Pinecone, Stagehand, Crawl4AI, PostgreSQL, MongoDB, MySQL, Redis, AWS, Docker

Education & Awards:

Finalist — 2018
Google Code-in

Diploma in Computer Science — 2019
Ambedkar Institute of Technology, Delhi