

Saurabh Rajendra Jadhav

Software Developer | React · Next.js · TypeScript · Node.js · GenAI Agents

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SUMMARY

Full-stack developer with **3+ years** building production web apps in **React, Next.js (App Router)** and **TypeScript**, backed by **Node.js/Express API layers**. Delivered a **~45% Core Web Vitals (LCP) gain** on a high-traffic healthcare platform and unified three legacy frontends into a **design system of 60+ reusable components**. Shipped a production **GPT function-calling chat interface**, and independently architected four live AI products with **tier-scoped access control** and **server-authoritative** data boundaries.

EXPERIENCE

Software Developer — Livlong 365 (IIFL Group), Thane, India

Jun 2023 - Present

- Spearheaded a complete revamp of livlong.com, migrating to the **Next.js 16 App Router** with **TypeScript**, delivering a **~45% gain in Largest Contentful Paint (LCP)** across Core Web Vitals.
- Engineered the Lab Test feature (livlong.com/lab-test) full-stack — built the **Node.js/Express REST API layer** connecting the Next.js UI to search and data services, using **Elasticsearch** for search and **Redis** for caching to keep data-heavy listing and drilldown views fast at scale.
- Led migration of legacy modules (**Remix, Svelte**) to **React Router v7** and built a reusable library of **60+ components** with **Tailwind CSS** and **shadcn/ui**, unifying three codebases into one maintainable **design system** with a consistent, accessible experience.
- Built a production conversational **AI chat interface** for the POS agent app using **OpenAI GPT APIs** with **function/tool calling** and custom **MCP** tooling, rendering structured model responses safely into the UI.
- Developed component-driven UI for the **Insurance** and **Wellness** verticals with pixel-perfect responsive layouts for distinct user personas.

Android Developer Intern — Hapinee Solutions Pvt. Ltd., Remote

Jan 2021 - Jun 2021

- Directed a team of 6 to build a custom CRM-based Android app from scratch (**Java, Firebase**); separately rebuilt an existing app's UI and refactored its codebase for performance.

SKILLS

Core: React, Next.js (App Router), TypeScript, JavaScript, Node.js, Express, REST APIs, GraphQL APIs

Frontend & Design Systems: React Router v7, Zustand, React Query, Zod, Tailwind CSS, shadcn/ui, component libraries, accessibility, PWA, Core Web Vitals, performance at scale

Backend & Databases: Python (2 yrs), API / backend-for-frontend patterns, PostgreSQL, SQL, Elasticsearch, Redis, MongoDB, Firebase (Auth, Firestore, Admin SDK), JWT-based session verification

Cloud, CI/CD & DevOps: AWS (EC2, S3, CloudFront), Vercel, Docker, GitHub Actions (build + deploy pipelines), YAML pipeline configuration, Razorpay

AI Engineering & Agents: OpenAI GPT APIs (function/tool calling), Gemini API, Claude API, Vercel AI SDK, RAG, MCP (Model Context Protocol), agent harness design

Testing & Tooling: Playwright, Vitest, Git; Claude Code (MCP-integrated), Cursor

Additional: Svelte, Remix, React Three Fiber, Java, Kotlin

PROJECTS

Claratto — claratto.com

- Architected an AI tutoring platform on a **server-authoritative** trust model: mastery is written only after a server-scored assessment via the **Firebase Admin SDK**, with **Firestore rules enforcing zero client write access** — access boundaries decided on the server, not the client.
- Engineered a **multi-model LLM orchestration layer** (Vercel AI SDK) routing between **Claude** and **Gemini** by **subscription tier**, so entitlements decide which capabilities a session reaches, with **Zod** validation and streaming for real-time conversational teaching.
- Built a real-time **voice AI interview simulator** integrating **Sarvam AI** speech-to-text with adaptive voice-activity detection for hands-free conversational interaction.

CinematicTale — cinematictale.com

- Built and launched a production **Generative AI SaaS** turning one-line prompts into illustrated storybooks, comics, and AI video tales via **multi-model orchestration** (Gemini 2.5, Imagen 4, Veo 3), with character consistency across **10 art styles in 13 languages**.
- Architected a hybrid stack — serverless **Next.js 16 App Router** with **Firebase** plus a **Node.js** backend on **AWS EC2, S3 + CloudFront** — and shipped **Razorpay** credit billing on an atomic Firestore ledger; cut page payload **96% (36.8MB to 1.3MB)**.

OpenClaw

- Architected a **15-agent, 3-agency autonomous AI system** (Dev, LinkedIn, Creative) with a custom agent harness via **MCP**, containerized with **Docker** on a Linux KVM VPS.

Elite Mindset Forge — elitemindsetforge.com

- Built a self-operating AI content platform: an **LLM + RAG pipeline** (Gemini API) generates content in English, Hindi, and Marathi, auto-publishing to Instagram/Facebook with zero manual involvement — plus **Firebase Auth**, **FCM** push, and an **SEO-optimized PWA**.

EDUCATION & CERTIFICATIONS

Bachelor of Technology, Computer Engineering — Gharda Institute of Technology, Ratnagiri

Jun 2019 - May 2023

- **Embedded System and Robotics (MOOC)** — IIT Bombay (e-Yantra), Nov 2021. | Represented Maharashtra in **Cricket** at state level; ranked **26th nationally** in the Maths Olympiad (MOM) by MCL.