

Sai Rohit Sanniboyina

Full-Stack & AI Engineer · Founding Software Engineer

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SUMMARY

Founding software engineer with 3+ years building and scaling zero-to-one products across frontend, backend, data infrastructure, and AI. Specialize in Node.js and TypeScript with production experience in Next.js, React, NestJS, Fastify, ClickHouse, PostgreSQL, and LLM systems including LangChain, LangGraph, OpenAI, and Gemini. Own systems end to end, from customer-facing interfaces to backend services and AI workflows, with a focus on reliability and scale.

EDUCATION

SRM Institute of Science and Technology, Chennai · B.Tech, Computer Science 2021 – 2025 · CGPA 9.1/10

- R&D and Content member, Sketch Club; led hands-on peer workshops on web fundamentals (HTML, CSS, semantic markup, browser rendering) and an intro Python project.

EXPERIENCE

Optimeleon AI · Founding Software Engineer May 2024 – Present · Remote

Promoted from Frontend Developer to Frontend Engineer to Software Engineer at an AI landing-page personalization startup. Node.js/TypeScript stack.

- Owned architecture across **frontend, backend, analytics, AI systems, and infrastructure** from pre-launch through first paying customers and the company's first funding round.
- Led the migration of the product's visual editor from a legacy screenshot-based tool to a **live-iframe editor backed by a published Chrome extension (Manifest V3)**. Reduced the time to edit and test a site from about an hour to **3-5 minutes**, enabling users to increase A/B testing from 1-2 experiments per month to **20-25+ per week**, with zero reported errors since launch.
- Rebuilt element and CTA detection in the core browser-automation service, replacing AI calls with **deterministic TypeScript (Playwright, Crawllee)**. Cut response time from **over 5 minutes to under 30 seconds**, ended weekly breakages, and scaled past **100,000+ websites** processed.
- Designed and shipped a **fault-tolerant S3-to-ClickHouse ingestion pipeline** with zero-data-loss guarantees, and built cross-browser event collection with CDN-distributed scripts, caching, and regression safeguards (PostHog, ClickHouse, PostgreSQL), powering an analytics platform that has processed **100M+ events**.
- Owned and extended **LangChain/LangGraph workflows** that generate ad copy, image, and video variants. Added multi-model support across **Google Gemini and Azure OpenAI**, along with configurable temperature controls for more deterministic output. Generated 500+ variants across campaigns running on 100+ sites.
- Built a **deterministic HTML-parsing engine** that reconstructs sentence structure from raw markup at **about 99% accuracy**, cutting parsing incidents from several per week to roughly one every four months, without relying on AI.

Freelance · Frontend / Full-Stack Engineer 2022 – 2024 · Remote

- Built and launched production marketing and product sites using **Next.js, GraphQL, and headless CMS platforms (Contentful, Payload)**, delivering each project end to end from design handoff to production.
- Highlights: **Krishaka** (krishaka.in), an agritech site built around a hand-crafted **scroll-driven Three.js viewer**; an **AR building viewer in React Native / Expo** (react-three-fiber); and multiple responsive, animation-rich React frontends.

SKILLS

Languages	TypeScript, JavaScript, Python, Java, SQL
Backend & APIs	Node.js, NestJS, Fastify, REST and GraphQL APIs, WebSockets (Socket.IO), Prisma ORM
Frontend	React, Next.js, React Native (Expo), Tailwind CSS, Three.js, Chrome Extensions (Manifest V3)
AI & LLM	LangChain, LangGraph, OpenAI / Azure OpenAI, Google Gemini, prompt engineering
Data & Databases	PostgreSQL, ClickHouse, MongoDB, Amazon S3, ETL and event pipelines, PostHog
Cloud & DevOps	GCP (Cloud Run), Cloudflare Workers, Docker, CI/CD