

Rocktim Saikia

Principal Full-Stack Engineer

Bengaluru, India · rocktimthedeveloper@gmail.com · github.com/rocktimsaikia · linkedin.com/in/rocktimsaikia · rocktim.dev

SUMMARY

Principal Full-Stack Engineer with 5 years scaling Codingal (YC W21), a global edtech platform. Own revenue-critical systems across payments, billing, AI voice agents, and an AI tutor. Strong in Python/Django backend architecture and TypeScript/Next.js full-stack work. Indie builder of APIs and developer tools with a real paying-user base (666 GitHub stars, ~15K npm downloads/month).

SKILLS

Languages: Python, TypeScript, JavaScript, Lua, SQL

Backend & Frameworks: Django, Node.js, Express.js, REST APIs

Frontend: Next.js, React, Tailwind CSS

Payments & Billing: Stripe, Razorpay, multi-currency fee capture, auto-charge, credit/billing lifecycle

AI / LLM Systems: Voice agents (Bolna, DialNexa), Gemini, ElevenLabs TTS, prompt engineering, safety gating, webhook ingestion, post-call extraction

Infrastructure & Tooling: Docker, AWS S3, FFmpeg pipelines, MySQL, Sentry, CI/CD, caching/CDN, rate limiting, Slack/WhatsApp/SMS integrations

EXPERIENCE

Codingal (YC W21) — Principal Full-Stack Engineer

May 2025 – Present · Bengaluru, India

- Built Codingal's automated AI voice-calling platform end-to-end across India, US, and Canada — webhook ingestion, region-scoped provider config (DialNexa, Bolna), post-call sentiment extraction, and Slack escalation pipelines.
- Shipped the "Neha" student re-engagement voice agent to production for US & Canada with timezone-aware calling, do-not-disturb handling, and one-call-per-class limits.
- Shipped Cody, an AI coding tutor with grade/subject-aware prompt tuning, a safety gate on prompts, and ElevenLabs read-aloud with browser-TTS fallback and a backend replay cache.

Codingal — Senior Software Engineer

Apr 2023 – May 2025 · Bengaluru, India

- Owned the payments and billing path: fixed Stripe USD fee capture for checkout and backend auto-charge, normalized Razorpay currencies, and surfaced auto-debit consent across admin and payment pages.
- Built the student-credit expiry system with recent-activity eligibility and pre/post Slack alerts; migrated the auto-discontinuation credit threshold behind a safe rollout.
- Built a multi-recording teacher video pipeline (chunked S3 uploads + server-side FFmpeg merge) with retry loops, corrupt-part rejection, and partial-failure recovery — eliminating a recurring source of lost class recordings.

Codingal — Software Engineer

Oct 2021 – Apr 2023 · Remote

- Delivered features across a large Django monolith spanning notifications (WhatsApp/Zoko, OpenPhone SMS, Slack), payments, and admin tooling.
- Improved reliability and performance — IP-based rate limiting on signup/trial/OTP, caching and CDN for course listings, and Sentry noise reduction.

Codingal — Software Engineer Intern

Jul 2021 – Oct 2021 · Remote

- Contributed backend features and bug fixes across the platform during a full-time internship that converted to a full-time engineering role.

Animechan API — Founder (Part-time)

Jan 2021 – Present · Remote

- Founded and run a freemium anime-quotes API built with TypeScript and Next.js; grew a college hobby project into a product with a paying community (premium tier, Discord, 43 supporters/members).

Listee — Software Engineer (Internship)

Jan 2020 – Jun 2020 · Remote

- Built internal React hooks and new website pages with React.js; designed UI animations in Figma.

Maytree School of Entrepreneurship — Software Engineer (Internship)

Oct 2019 – Dec 2019 · Remote

- Built the full website (backend and frontend) with Node.js, Express.js, HTML, and CSS — forms, authentication, SEO, and domain management.

OPEN SOURCE

- **meta-fetcher** (147 stars, TypeScript) — metadata scraper for Node.js; 4.9K npm downloads/month.
- **react-country-dropdown** (TypeScript) — React country picker; 5.1K npm downloads/month.
- **hackernews-redesign** (90 stars, JavaScript) — minimal Hacker News client (Next.js + Tailwind).
- **github-card** (75 stars) — GitHub profile web component.
- **github-dlr** (60 stars, Python) — recursively download individual GitHub files/folders.
- **contribute-101** (55 stars, 195 forks) — starter project for first open-source contributions.
- Totals: 84 public repos, ~666 stars, ~15K npm downloads/month across published packages.

CERTIFICATIONS

- The Git & GitHub Bootcamp — Udemy (2022)
- Learn Lua — Codecademy (2022)