Rohit Naidu Siriporam

Full-Stack Engineer · React, Node.js, Python, LLM pipelines

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Work visa: Engineer/Specialist in Humanities/International Services (技術·人文知識·国際業務), valid to Apr 2028
No visa sponsorship needed · Languages: English (fluent), Hindi (native), Telugu, Japanese (basic, studying)

SUMMARY

First engineer at a Tokyo proptech, building and running its platform since before the 2023 launch. Shipped server-rendered React and a Gemini extraction pipeline, grew search impressions from ~100 to 100k+ a month, and mentored 10+ interns and staff. Designs as well as builds: four live solo products, each with its own visual identity. Uses Claude Code daily.

SKILLS

Programming: JavaScript, TypeScript, Python, SQL, HTML/CSS
Frontend: React, Next.js, Vite, server-side rendering, Tailwind CSS, TanStack Query, Zustand, i18n (EN/JA)
Design: UI/UX design, visual identity, design systems, motion (GSAP, Framer Motion), WebGL, responsive layouts
Backend and data: Node.js, Express, FastAPI, REST APIs, WebSockets, MongoDB, PostgreSQL (Drizzle), Redis
LLM systems: Gemini, Groq, structured outputs (JSON Schema, Zod), tool calling, evaluation sets
Infrastructure and tools: AWS, Docker, CI/CD (GitHub Actions), Git, Claude Code, Linux (Linode), nginx, Cloudflare, Vercel
Quality and SEO: Vitest, web performance (Core Web Vitals), technical SEO, Google Search Console, Google Analytics 4

EXPERIENCE

AKIYA2.0 Inc., Tokyo · Japan Inc. Holdings group — Aug 2023 – present
Tech Lead · full-time; Tokyo-based since Apr 2025 — Mar 2024 – present
Software Engineer · part-time, remote from India — Aug 2023 – Feb 2024

Proptech platform helping overseas buyers find, buy and restore akiya (vacant houses) across Japan. First engineer, hired before the company launched; built the platform from scratch and leads all of its technology.

- Grew Google Search impressions from **~100 to 100k+ a month** by rebuilding akiya2.com from Webflow as server-rendered React (Vite, Express SSR) with structured data and a listings-driven sitemap of 10,000+ URLs.
- Cut server response time from **~1 s to ~50 ms** with a stale-while-revalidate cache for rendered pages; the whole platform runs on one shared Linode VPS behind nginx and Cloudflare, with rate limiting and input sanitization, deployed by GitHub Actions.
- Built a Gemini extraction and validation pipeline that turns Japanese and English PDFs and HTML from 1,800+ municipal sites into schema-validated listings at **95% accuracy** (tested on a month of new listings from 28 prefectures), cutting per-listing cost from **~¥10–20 to ~¥0.05**.
- Built map-based property search over **~10,000 listings**: Google Maps clustering, geocoding and faceted filters, served by a FastAPI and MongoDB API with indexed queries, caching and pagination.
- Built Hinoki Stays, AKIYA2.0's stays brand, solo in Next.js with a PostgreSQL/Drizzle gallery CMS; cut photography from **91 MB to 9.7 MB** behind an MS-SSIM quality gate, and the site runs in 83 MB of memory on a 1 GB server.
- Hired and mentored **10+ remote engineering interns** (postings, interviews, onboarding, code review, deployment process), mentored part-time and full-time employees, and set the roadmap and architecture with the CEO and COO.

Singapore Chamber of Commerce in Japan · Freelance designer and developer — 2025

- Designed and built the chamber's bilingual (English/Japanese) website solo in React and Vite, commissioned by its president.

Markoknow, Delhi (remote) · Full-Stack Developer Intern: MERN and React Native — Apr – Jun 2023

Japan Travel KK, remote · Software Engineering Intern: O2O Stays site (MERN, nginx) — Aug – Dec 2022

PROJECTS (DESIGNED AND BUILT SOLO, LIVE)

- **Kata**: social journaling app whose AI companion tracks goals and habits through tool calling and writes weekly letters; follows, notifications and real-time presence. Next.js, TypeScript, MongoDB, Groq, Upstash Redis.
- **Qrio**: AI-generated quizzes with real-time multiplayer rooms; the server owns answers, timer and scoring over WebSockets. Next.js, Express, SQLite, Groq.
- **Manabi**: JLPT practice papers from N5 to N1; a second model answers each question blind and disagreements are discarded. Next.js, TypeScript, MongoDB, Groq, Vitest.
- **Psych.site**: five personality tests across 80 types, each rendered as a WebGL print; no sign-up. Next.js, TypeScript, GSAP.

PUBLICATIONS AND ACTIVITIES

- IEEE AIMLA 2024, second of five authors: "Spotting simulated commodity welding metamask technology".
- Featured article on TokyoDev (Oct 2026) about getting hired in Japan from overseas; contributor to e27 (3 articles).
- Took part in ISUCON 2026, Japan's web performance tuning contest, optimizing servers on AWS.
- Karate: green belt (緑帯).

EDUCATION

Sathyabama Institute of Science and Technology, Chennai, India — 2020 – 2024
B.E., Computer Science and Engineering