

Rohit Naidu Siriporam

Founding Engineer · Full-Stack & GenAI

Tokyo, Japan · Engineer/Specialist in Humanities visa (valid until April 2028)

+81 90-9210-7137 · rohitnaidusiriporam@gmail.com

rohitnaidusiriporam.com · [GitHub](#) · [LinkedIn](#)

SUMMARY

Founding engineer at AKIYA2.0, a Tokyo proptech startup under the Japan Inc Holding group. Built and shipped the entire AKIYA2.0 platform end-to-end since August 2023, growing the product to 50k+ monthly users on a single shared Linode VPS, scaling organic search from ~100 to 100k+ monthly impressions, and cutting data acquisition cost 96% via a Gemini 2.0 Flash LLM extraction pipeline. Cross-functional partner to CEO and COO, leading architecture, system design, mentorship, and delivery. Based in Tokyo since April 2025 on an Engineer/Specialist in Humanities visa (valid until April 2028); sitting JLPT exam in July 2026.

SKILLS

Languages Python, TypeScript, JavaScript, SQL, Bash, C, C++

Frontend React, Next.js, Vue, Redux, Tailwind CSS, Sass, HTML, CSS, responsive design, SSR

Backend FastAPI, Node.js, Express, REST APIs, microservices, MongoDB, MySQL, system design

Cloud & DevOps Linode VPS, nginx, Docker, GitHub Actions, CI/CD, Linux server administration, web security, AWS (familiar)

GenAI & LLMs Gemini, OpenAI, prompt engineering, structured outputs, schema validation, evaluation pipelines, vector embeddings, retrieval (RAG)

Tools Git, GitHub, Webflow, Material-UI, Jira, Trello, Notion, Selenium, technical SEO, Google Maps API

EXPERIENCE

Japan Inc Holding KK

Aug 2022 – Present · Tokyo, Japan

Parent group of AKIYA2.0, Japan Travel, Toursoft and other subsidiaries. Multiple roles across the group; continuous full-time tenure at AKIYA2.0 since August 2023.

Founding Engineer, AKIYA2.0

Mar 2024 – Present

Remote (India) Mar 2024 – Mar 2025 · Onsite (Tokyo) Apr 2025 – Present

- Sole engineer on AKIYA2.0, a proptech platform connecting international buyers to Japan's vacant-house (akiya) market. Own end-to-end architecture across React, TypeScript, FastAPI, Python, Node.js, Express, MongoDB, and self-managed Linode VPS with nginx, reporting directly to CEO and COO.
- Designed and shipped a production LLM extraction pipeline on Gemini 2.0 Flash covering 1,800+ Japanese municipal websites at 95% accuracy, replacing brittle Selenium and regex scrapers and reducing data acquisition cost by 96%. Pipeline ingests mixed Japanese and English municipal PDFs and HTML across all 47 prefectures.
- Built an automated LLM evaluation harness with ground-truth test sets, schema validation, structured outputs, and retry/fallback logic, acting as guardrails on every model response. System surfaces regressions before they hit production as prompts and models evolve.
- Drove organic search from ~100 to 100k+ monthly impressions through technical SEO, server-side rendering, performance tuning, and content strategy, fueling exponential growth in product reach across the platform's target markets.
- Built and maintained CI/CD via GitHub Actions and Docker; tuned nginx, caching layers, geocoding, and Google Maps integration to serve 50k+ monthly users efficiently on a single shared Linode VPS, a cost-conscious infrastructure choice running on minimal resources. Hardened security with CORS, HTTPS, and rate limiting.
- Aligned technical roadmap directly with CEO and COO; led successive cohorts of engineering interns through onboarding, code review, and production delivery, owning hiring input, system design decisions, code review standards, and deployment process.

Software Engineer, AKIYA2.0

Aug 2023 – Mar 2024

Part-time → Full-time (Remote, India) · Promoted to Founding Engineer Mar 2024

- Built the AKIYA2.0 platform from Webflow → React/Express/MongoDB + FastAPI; led migration from third-party scrapers to in-house AI extraction. Started part-time, converted to full-time engineer, then promoted to Founding Engineer in seven months based on end-to-end platform ownership.

Software Engineer, Japan Travel KK (subsidiary)

Aug 2022 – Dec 2022

Part-time, Remote (India) · First role within the Japan Inc Holding group

- Shipped “The O2O Stays” promotional site end-to-end on a MERN stack with nginx reverse proxy, from spec to deployed production environment.
- First role within the Japan Inc Holding group; led directly to the AKIYA2.0 engineering role in 2023.

Markoknow

Mar 2023 – Jul 2023 · Remote

Software Engineer (Part-Time, Remote) · Delhi-based startup

- Built full-stack MERN features and React Native mobile screens across several Markoknow web properties: production backend APIs, frontend interfaces, and cross-platform mobile components.

SELECTED PROJECTS

AKIYA2.0 · akiya2.com

FastAPI · React · MongoDB · Gemini 2.0 Flash · Docker · nginx · Linode

Production proptech platform connecting international buyers to Japan’s vacant-house market; live since 2024, 50k+ monthly users.

- End-to-end Japanese property platform with a GenAI ingestion pipeline processing municipal PDFs and HTML across all 47 prefectures, producing schema-validated structured listings.
- Extraction layer on Gemini 2.0 Flash with prompt versioning, structured output schemas, retry/fallback, and an evaluation harness tracking 95% accuracy across prompt and model changes.
- FastAPI + MongoDB REST API with indexed queries, response caching, and pagination; React + Webflow hybrid frontend with SEO-tuned SSR; organic search grown from ~100 to 100k+ monthly impressions.
- Containerized via GitHub Actions CI/CD to a self-managed shared Linode VPS + nginx; CORS-locked, HTTPS-enforced, rate-limited; Google Maps + geocoding for property visualization.

Singapore Chamber of Commerce, Japan · singchamjapan.org

React · Responsive Web

Solo developer & designer · built on direct request from the Chamber President.

- Designed and built the digital home of the Singapore Chamber of Commerce in Japan from scratch; every page hand-built, fully responsive, full-stack. Owned the entire client engagement solo from requirements through deployment.

Manabi · manabi.rohitnaidusiriporam.com

Next.js · OpenAI · TypeScript · Tailwind

Side project · AI-generated JLPT exam papers, mobile-first.

- AI-drafted JLPT exam papers from N5 to N1 generated on demand, with a mistake-intelligence layer tracking weakness patterns across vocabulary, grammar, kanji, and reading; mobile-first for studying on the commute. One of several shipped side projects on subdomains of my portfolio.

EDUCATION

Sathyabama Institute of Science and Technology

2020 – 2024 · Chennai, India

B.E., Computer Science Engineering · CGPA 8.55 / 10

PUBLICATIONS

Mandal, R., Siriporam, R. N., Gopika, G. S., Sreekrishna, M., and Supriya, S. (2024). “Spotting Simulated Commodity Counterfeiting via Metamask Technology.” 2024 2nd Intl. Conference on AI & Machine Learning Applications (AIMLA), IEEE. DOI: [10.1109/AIMLA59606.2024.10531389](https://doi.org/10.1109/AIMLA59606.2024.10531389)

LANGUAGES

English Fluent · Japanese Studying (sitting JLPT exam, July 2026) · Telugu, Hindi Native