

Rohit Naidu Siriporam

Founding Engineer · Frontend & Full-Stack · GenAI

Tokyo, Japan · Valid work visa through April 2028, no sponsorship required

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rohitnaidusiriporam.com · [GitHub](https://github.com) · [LinkedIn](https://www.linkedin.com/in/rohitnaidusiriporam)

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. Frontend-leaning full-stack engineer who designs production systems end-to-end and ships and self-markets side projects across React, Next.js, Vue, and Svelte. Cross-functional partner to CEO and COO, leading architecture, system design, mentorship, and delivery. Based in Tokyo since April 2025; sitting JLPT in July 2026.

SKILLS

Languages Python, TypeScript, JavaScript, SQL, Bash, C, C++
Frontend React, Next.js, Vue, Nuxt.js, Svelte, SvelteKit, Redux, Tailwind CSS, Sass, HTML, CSS, responsive design, accessibility, component architecture, design systems
Performance & SEO Core Web Vitals (LCP, CLS), Lighthouse, web performance optimization, SSR, technical SEO, structured data, sitemaps
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)
Testing & QA Playwright, Selenium, automated evaluation harnesses, schema validation
GenAI & LLMs Gemini, OpenAI, prompt engineering, structured outputs, evaluation pipelines, vector embeddings, retrieval (RAG)
Tools Git, GitHub, Webflow, Material-UI, Jira, Trello, Notion, 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 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

- Designed and built the entire AKIYA2.0 frontend solo in React and TypeScript, owning everything from UI and interaction design to component architecture: a responsive property-search experience with interactive Google Maps, geocoding, faceted filtering, and data-dense listing views used by 50k+ monthly users.
- Own frontend performance against Core Web Vitals, reducing layout shift (CLS) and improving LCP through server-side rendering, image and asset optimization, code-splitting, and caching, keeping the app fast for real users on minimal shared infrastructure.
- Led the technical SEO and SSR strategy that grew organic search from ~100 to 100k+ monthly impressions: server-rendered crawlable pages, semantic markup, structured data, metadata and sitemaps, and resolving Google Search Console indexing issues end to end.
- Sole engineer across the full stack: own end-to-end architecture spanning React and TypeScript on the frontend and FastAPI, Python, Node.js, Express, and MongoDB on the backend, reporting directly to CEO and COO and aligning the technical roadmap with the business.
- Designed and shipped a production GenAI extraction pipeline on Gemini 2.0 Flash across 1,800+ Japanese municipal sites at 95% accuracy, replacing brittle Selenium and regex scrapers and cutting data acquisition cost 96%, with an automated evaluation harness guarding every model response.
- Built CI/CD via GitHub Actions and Docker and self-managed the Linode VPS and nginx (caching, CORS, HTTPS, rate limiting) to serve 50k+ users on a single cost-conscious server; led successive cohorts of engineering interns through onboarding, code review, and shipping to production.

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 to a React/Express/MongoDB + FastAPI stack; 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.

Software Engineer, Markoknow

Mar 2023 – Jul 2023

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

- 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. Live since 2024, 50k+ monthly users.
- 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; React + Webflow hybrid frontend with SEO-tuned SSR.

Qrio · qrio.rohitnaidusiriporam.com

React · Vite · Tailwind · GenAI

- AI quiz app that generates questions on demand across any topic, with real-time multiplayer lobbies, live state sync across players, and a responsive, animated UI. Designed and built solo as one of several live side projects on subdomains of my portfolio.

Singapore Chamber of Commerce, Japan · singchamjapan.org

React · Responsive Web

- Solo developer and designer; built the Chamber's digital home from scratch on direct request from the Chamber President. Every page hand-built, fully responsive, owned end-to-end from requirements through deployment.

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

LANGUAGES

English Fluent · Japanese Studying · Telugu, Hindi Native