TSITOHAINA KANTONIRINA — Full-Stack Engineer / Technical Lead

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PROFILE

Full-stack engineer turned technical lead with 3+ years building and shipping production web applications. Experienced in modern TypeScript ecosystems (Next.js, tRPC, TypeScript), cloud infrastructure, and leading distributed dev teams. Known for translating complex domain requirements into clean, maintainable systems that scale.

TECHNICAL SKILLS

Frontend: Next.js, React, TypeScript, Tailwind CSS, Vue.js
Backend: Node.js, tRPC, GraphQL, Laravel, Spring Boot
Databases: PostgreSQL, PostGIS, MongoDB
Cloud & DevOps: GCP, Cloudflare R2, Vercel, Linux
Integrations: CCXT, REST APIs, WebSockets, Inngest, LangChain

WORK EXPERIENCE

March 2026 – Present | Lead Full-Stack Developer | Genius-At-Work, Madagascar

- Lead architecture and development of a large-scale B2B SaaS platform for end-to-end management of BTP enterprises.
- Built a homemade n8n-like workflow engine with LLM-powered data extraction, enabling non-technical users to automate complex processes inside the app.
- Supervise and mentor a team of 5 developers; translate complex domain requirements from stakeholders into clear, actionable tasks.
- Drove measurable gains in team delivery speed and client satisfaction since taking the lead role.

March 2025 – February 2026 | Full-Stack Developer | Genius-At-Work, Madagascar

- Core contributor to the full rebuild of a 10+ year-old desktop platform into a modern web app using the T3 stack (Next.js, TypeScript, Tailwind, tRPC).
- Resolved recurring Vercel limit overruns by separating concerns and offloading heavy workloads to Inngest, significantly improving app speed and reliability.
- Acted as a bridge between domain stakeholders and the dev team, breaking down industry-specific requirements into executable tasks.

January 2024 – December 2024 | Full-Stack Developer & Infrastructure Lead | Independent Contractor, Paris

- Built an e-learning platform serving 3,000–7,000 daily users; handled full infrastructure on GCP.
- Developed a lead generation and automation suite covering mass scraping, automated offer publication, and notification systems that directly boosted client sales.
- Managed two parallel remote teams of 5 developers each across different projects.

August 2023 – December 2023 | Full-Stack Developer | Independent Contractor, Paris

- Built a crypto trading platform from scratch; redesigned a legacy UI into a clean, modern interface.
- Integrated multiple exchange APIs via CCXT and implemented real-time trading data and chat using WebSockets.
- Stack: Next.js, Node.js, MongoDB.

June 2022 – December 2022 | Full-Stack Developer | NOGAE, Madagascar

- Built a Google Maps-like GIS platform from the ground up to map and register environmental risk zones across Madagascar.
- Implemented interactive zone tracing, geospatial data rendering, and map features using PostGIS, GeoServer, Laravel, Vue.js.

February 2022 – May 2022 | Full-Stack Developer | MEDDoC, Madagascar

- Built features connecting patients to healthcare professionals on a React + Spring Boot platform; improved UX flows across the app.

EDUCATION

Master's Degree in Computer Science — Jan 2022 – Mar 2024 | Institut Supérieur Polytechnique de Madagascar
Bachelor's Degree in Computer Science — Jan 2019 – Mar 2022 | Institut Supérieur Polytechnique de Madagascar