

Randriamanasina Tianiazy Marindrano

Cross-Platform Full-Stack Engineer • Web • Mobile • Desktop

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SUMMARY

Pragmatic full-stack engineer who ships across web, mobile, and desktop on a TypeScript foundation. I own features end-to-end — from React / React Native UI to typed APIs, databases, and deployment on managed platforms or a self-managed VPS — and I lean on the right tool rather than rebuilding infrastructure from scratch. **3+ years** of client product work — 5 products shipped across iOS, Android, web, and desktop, with apps live on the App Store and Play Store — plus blocsms.com, my own product launching July 2026.

CORE SKILLS

Languages TypeScript, JavaScript, Python, Go

Web React 19 / RSC, TanStack Start, Next.js, Tailwind CSS, Vite, i18n

Mobile React Native, Expo, Expo Router

Desktop Tauri, Electron

Backend Hono, tRPC, Convex

Data Drizzle ORM, Postgres / Neon, SQLite / Cloudflare D1, AWS S3, Cloudinary

BaaS & CMS Supabase, PocketBase, Strapi, Payload

State & Data TanStack Query, Zustand, Legend-State, Jotai

Auth Clerk, better-auth, Auth.js, Custom auth

UI & Motion shadcn/ui, Mantine, HeroUI, MUI, Motion, Three.js

AI Vercel AI SDK, Cloudflare AI (Agents), OpenAI / Google / Groq

AI Tooling Claude Code, Codex, OpenCode

Deployment Cloudflare, Vercel, Railway, Google Cloud, DigitalOcean, VPS

Infra & Tooling Docker, pnpm + Turbo, GitHub Actions

Testing & Observability Playwright, Vitest, Maestro, Sentry, PostHog

EXPERIENCE & PROJECTS

Self-taught engineer — 3+ years building professional software in production for clients, now building my own products and open to new opportunities.

Loha.dev — Software Developer & Community Manager 2023 — 2026 • Madagascar

- Built production web, mobile, and desktop applications for client engagements — including point-of-sale, hospital, and finance systems (client details under NDA).

School Community Platform — *social platform for the school community — client under NDA*

- Social platform connecting students, parents, teachers, and administration across multiple schools — iOS and Android, with role-based access. Owned the mobile UI on a 3-person team.
- Core modules — announcement feeds, real-time messaging, and a shared calendar for classes, events, and exams — built with Expo / React Native (mobile), a Next.js admin dashboard, and an Express API.

Star — *performance companion for musicians — ongoing contributor* starapp.io

- Rebuilt a Kotlin proof-of-concept into a production React Native + Expo app — live on the App Store, Play Store, and web: setlist management, digital sheet music & chords, audio/video, and auto-generated slides.
- On a 2-person team, drove key architecture choices — notably adopting Convex for excellent DX — and built the app's media library.

POS + LMS — *Tauri desktop app • Malagasy client*

- Built and shipped a cross-platform desktop POS + LMS with Tauri for a Malagasy client — native packaging, local data, and offline operation on macOS and Windows.

Miangaly Hatsarana — Community Manager & Developer 2021 — 2023 · Madagascar

- First professional role: built the company's full digital presence and internal tooling from scratch while managing its online community for two years.

Business Website — *multilingual furniture showcase* miangaly.pages.dev

- Built and deployed the company site with Astro + Tailwind on Cloudflare Pages — multilingual (French, English, Malagasy, German), SEO-optimized, responsive product catalog.

Invoice Generator — *internal billing tool*

- Designed and built an invoicing app (Next.js, tRPC, Mantine, React-PDF): multiple templates, client & product catalogs, server-side PDF generation, and shareable invoices — 460+ invoices generated to date.

Independent — Founder & Full-Stack Engineer 2026 — Present · Remote

Blocsms — *turn your messages into printed books* blocsms.com

- Solo-building a print-on-demand web app that transforms digital conversations into physical books and PDFs — currently ~90% to launch.
- Stack: TanStack Start, React 19 (RSC), Convex, Clerk, Neon + Drizzle, @react-pdf, local-first (Dexie), full i18n (fr/en/mg).
- Integrated the Lulu print-on-demand API for cost calculation and print-ready file generation; evaluated payment providers against a physical-goods business model.

Marindrano Portfolio — *personal portfolio + AI agent platform* marindrano.com

- Full-stack monorepo (pnpm + Turbo): Waku (React Server Components) front end, Hono API on Cloudflare Workers, D1 + Drizzle, and a custom BlockNote-based CMS.
- Built “Maya,” a multi-provider AI agent (Vercel AI SDK + Workers AI) with a knowledge base that answers questions about my work.

AITI Podcast — *co-host · tech, AI & dev tools* facebook.com/aitimg

- Co-host of AITI's podcast, discussing the latest technology and AI news, developer tools, and the wider ecosystem.

EDUCATION & LEARNING

- **Self-taught software engineer** — coding since high school; learning CSS selectors and XPath is what got me building Python CLI tools and scrapers (Scrapy), now across the modern TypeScript stack.
- **Theology studies** — hermeneutics, systematic theology, structured argumentation and debate; sharpened how I reason, communicate, and lead discussion.
- **English Teaching Program (ETP)** — completed; professional fluency in English.
- **Baccalauréate** — general secondary diploma.

LANGUAGES

Malagasy (native) · **French** (fluent) · **English** (fluent)

SOFT SKILLS

Pragmatic · Problem-solving · Resourceful · Clear communicator · Takes ownership · Reliable
· Curious · Fast learner · Ships fast