Hery Nirintsoa RAKOTOARINIAINA

Senior Full-Stack Engineer (React / NestJS / React Native)

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PROFESSIONAL SUMMARY

Senior full-stack engineer with 6+ years building web and mobile applications, currently responsible for code quality on Meditect's cloud pharmacy software, used by 1,000+ pharmacists in French-speaking Africa. Previously led a 3-engineer squad (architecture, code reviews, mentoring, CI/CD) and worked on XState-driven business logic, Kubernetes and Helm deployments, OpenTelemetry instrumentation, and offline-first React Native apps. Published an open-source chunked upload library and makes technical videos for developers.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, React, React Native, Next.js, NestJS, GraphQL.

Architecture & State: XState (state machines), PowerSync, offline-first architecture.

Databases & Infrastructure: PostgreSQL, MySQL, Firebase (Functions, Storage, Cloud Tasks), Kubernetes, OpenTelemetry.

Tools: Stripe API, Docker.

WORK EXPERIENCE

Meditect *Senior Full-Stack Developer*

Sep 2026 – Present

- Develop features across the full stack of a cloud pharmacy management platform used by 1,000+ pharmacists in French-speaking Africa.
- Responsible for code quality across the codebase.

Stack: React, NestJS.

Ethumada *Tech Lead & Full-Stack Developer*

Mar 2024 – Jul 2026

- Led a 3-engineer squad: technical architecture, code reviews, developer mentoring, and CI/CD automation.
- Built a measurement platform on XState, moving core business logic into state machines so invalid states can't occur and every flow stays debuggable and testable.
- Wrote the Kubernetes deployment configs and Helm charts for the containerized services.
- Built pre-sales POCs in React Native, including offline-first sync and real-time geolocation, that won new client contracts.

Stack: Next.js, Vue.js, React Native, NestJS, PostgreSQL, Kubernetes, Helm, XState.

InfluSpread *Freelance Full-Stack Developer*

Aug 2025 – Aug 2026

- Built the tracking and influencer performance features, including search backed by the OpenAI API.
- Instrumented the stack with OpenTelemetry for end-to-end tracing of production issues.
- Implemented Stripe subscription billing.

Stack: Firebase (Cloud Functions, Storage, Cloud Tasks), Node.js, OpenTelemetry, Stripe API, OpenAI API.

Praktek *JavaScript Developer*

Dec 2023 – Mar 2024

- Built cross-platform iOS and Android e-commerce apps with Stripe payments.
- Set up a Hackintosh so the team could compile and test iOS builds locally without Mac hardware.

Stack: React Native / Ionic, JavaScript, Node.js, Stripe API.

Koliving *Freelance Full-Stack Developer* Jan 2023 – Nov 2023

- Shipped features and bug fixes at startup pace for a high-traffic French rental platform.
- Set up PostHog session replays and feature flags, which the team used to find and patch user-facing bugs.
- Turned complex Figma designs into working components alongside the UI/UX designers.

Stack: Next.js, NestJS, MongoDB, GraphQL, PostHog.

Ingenosya *JavaScript Developer & Tech Lead* (promoted from intern) Jun 2020 – Dec 2022

- Promoted from JavaScript intern to squad tech lead, running delivery for B2B SaaS and video streaming platforms.
- Published an open-source npm library for chunked browser-to-backend video uploads that keeps uploads running across page navigations.
- Built and deployed an Uber-like ride-hailing app from scratch with Ionic, Express, and MySQL.

Stack: React, Express, Node.js, PostgreSQL, MySQL, Ionic Framework.

PERSONAL PROJECTS

Workouty *Creator & Developer* GitHub

- Offline-first fitness tracker in React Native and PowerSync, with local persistence and background sync.
- Built the data models with generative AI coding workflows ("vibecoding") to prototype offline sync patterns quickly.

Backupman *Creator & Developer* GitHub

- Open-source CLI in Go that snapshots databases in the background, compresses the payloads, and runs archival on a schedule.

Walletko *Creator & Developer* GitHub

- Envelope-budgeting app that splits income into digital category pots and tracks balances in real time.

TECHNICAL CONTENT

YouTube & Developer Community *Technical Content Creator* youtube.com/@HeryNirintsoa

- Videos and tutorials on web development, software engineering, and system architecture, now moving into English for a wider audience.

EDUCATION

Licentiate Degree in Software Engineering (*Licence en Génie Logiciel*) 2017 – 2020
Emedia — Antananarivo, Madagascar

LANGUAGES

English (professional working proficiency), French (fluent), Malagasy (native).