

Minh Tran

Senior Full-Stack Engineer

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SUMMARY

Full-stack engineer with **11+ years** shipping production software across Elixir/Phoenix, React/Next.js, Go, and Node.js. Proven track record owning features end-to-end — from system design to production — across high-concurrency fintech platforms and large-scale marketplaces. Experienced in on-call incident response in live, high-stakes environments where downtime is not an option. Thrive in small, high-ownership teams where I can talk directly to users, ship fast, and iterate.

EXPERIENCE

Dwarves Foundation - Client: Kafi.vn (Fintech) — Vietnam

Senior Full-Stack Engineer / Tech Lead | Apr 2025 – Present

- Lead development across Elixir/Phoenix microservice ecosystem and React frontend on a live fintech platform serving real-money trading at scale.
- Built the React admin dashboard end-to-end against Elixir/Go backend; designed a runtime-configurable Sales Hierarchy permission system replacing a hard-coded ACL blocking partner onboarding.
- Drive Elixir-to-Go rewrite of core services with zero customer-facing downtime — designed migration playbook and ran service-by-service cutovers.
- Last line of defence on production incidents — triage, root-cause, post-mortems in a live trading environment where every minute of downtime has financial impact.

Dwarves Foundation - hedge.foundation (Fintech / Trading) — Vietnam

Senior Full-Stack Engineer / Backend Lead | 2022 – Apr 2025

- Architected Elixir/Phoenix umbrella on GCP/Kubernetes streaming real-time market data over Phoenix Channels; ingested ~200k concurrent events with single-writer GenServer + ETS for microsecond hot-path reads.
- Designed per-user multi-account architecture managing 50–100 Binance accounts simultaneously — each account an isolated GenServer under DynamicSupervisor. Built rate-limit-aware execution layer handling burst close+reopen of 300 positions/account across hundreds of accounts (tens of thousands of API calls in seconds) without dropping orders or triggering bans.
- Built backtesting engine running parallel strategy simulations across 1B+ historical records with full performance reports — required careful parallelism design, data chunking, and query optimisation.
- Owned full delivery lifecycle: system design, API contracts, CI/CD, Kubernetes deployment, observability, and 24/7 incident response.

Dwarves Foundation — Vietnam

Senior Frontend Engineer / Frontend Lead | 2019 – 2022

- Mudah.my (Next.js) — Led revamp of Malaysia's #1 e-marketplace (millions DAU); shipped two dedicated codebases tuned per device class for emerging-market networks.
- BaseHQ.com (React/Node/Go, Nx monorepo) and TelemetryTV (Vue + Gridsome) — core dev across both; built scheduler and playlist/slider composition systems respectively.
- SPdigital (Offline-first PWA) — designed UUID + created_at sync protocol with parallel replay and server-side dedup for reliable capture on intermittent networks.

Dwarves Foundation - Client: Urbox (Singapore startup) — Vietnam

Full-Stack Engineer / Team Lead | 2017 – 2019

- Built Phoenix API backend services and Vue.js admin/end-user apps end-to-end for a Singapore shipping platform.

Starseed — Vietnam

Full-Stack Engineer | 2012 – 2017

- Built PHP/Zend Framework 2 platforms for international clients (Wall Street English VN/TH, Green Academy, Mango Bay Resort, Panzani). Owned delivery from requirements to production hand-off.

SKILLS

Backend Elixir/Phoenix (OTP, GenServer, ETS, PubSub, Channels, Ecto), Go/Gin, Node.js, RESTful API, GraphQL, PostgreSQL, MongoDB

Frontend React, Next.js, Vue.js, TypeScript, TailwindCSS, Cypress E2E, Gridsome

Architecture Distributed Systems, Microservices, Event-Driven Architecture, Domain-Driven Design, Umbrella Applications

Realtime Phoenix Channels, WebSocket, PWA/Service Workers, Core Web Vitals, query optimisation, performance budgets

Cloud & DevOps GCP, AWS, Kubernetes, Docker, GitHub Actions CI/CD, Linux, observability (metrics, logs, alerting)

AI / LLM AI-assisted development (Cursor, Claude Code); LLM application development with LangChain; agentic workflow design

EDUCATION

University of Science, VNU-HCM (HCMUS) — Vietnam

Bachelor of Science in Computer Science | 2009 – 2013

- Graduated with honors in Computer Science.