HO CHI MINH CITY, VIETNAM · SHIPPING SINCE 2016

Pham Thanh Nam

Senior Engineer — React, React Native & Node.js

LOCATION	HCMC, Vietnam
LATEST	Infina · Front-end Lead
TENURE	Oct 2021 – Sep 2026 · 5 yrs
DOMAIN	FinTech · Investment
FOCUS	React · React Native · Node.js
EMAIL	nampt2393@gmail.com

> Software engineer with 10 years of hands-on experience in FinTech, architecting robust React and React Native systems across mission-critical platforms from mobile banking to wealth investment at Infina. Regularly integrating applied AI into engineering workflows to boost velocity, while delivering seamless, fluid, and production-grade experiences with sustainable architecture.

01 TECHNICAL LEADERSHIP AT INFINA (10/2021 — 09/2026)

MOBILE React Native, iOS & Android Core Leadership

• Infina App Store • Infina Google Play

- **Architecture & Technical Leadership:** Front-end Lead at Infina; designed and standardized mobile architecture; spearheaded React Native core upgrade from v71 to v73; managed end-to-end release lifecycle across App Store & Google Play.
- **In-house Native Modules:** Designed and built comprehensive native modules (Camera/Vision, low-latency Audio, SMS Auto-read, QR scan), replacing third-party dependencies to maximize source code control and minimize bloat.
- **Launch Speed & Performance Optimization:** Slashed cold/warm startup latency through standardized API layers, multi-tier caching architectures, and proactive prefetching, delivering instant UI rendering.
- **Security Hardening & Real-time AI Foundations:** Enforced local data encryption and hardened sensitive financial transmission flows; built auto-reconnecting WebSocket pipelines for realtime stability, and integrated multimodal capabilities (STT, TTS, low-latency mic, doc scan).

WEB Modern Web Platform (React JS, Next.js & Astro)

• infina.vn • quymo.pviam.com.vn

- **Scalable Web Architecture:** Built and standardized modern web platform (Next.js, Astro SSG) powering marketing and growth, ensuring modularity, effortless scalability, and unified UX across ecosystems.
- **Content Autonomy via Visual CMS:** Architected headless visual CMS workflow (Plasmic), empowering Product and Marketing teams to modify layouts and publish copy on-the-fly without engineering release bottlenecks.
- **Performance & Core Web Vitals:** Dramatically reduced initial page load metrics (LCP, FID/INP, CLS) through SSG, next-gen WebP image delivery, and aggressive bundle-splitting; optimized semantic markup to drive organic SEO ranking and lower bounce rates.

AI APPLIED Embeddable Chat Agent & AI-Assisted Engineering

• webchat.infina.ai

- **Turnkey Widget & Knowledge Base:** Shipped embeddable Chat Agent widget for partners via a single script; enabled dynamic Knowledge Base ingestion, resilient context auto-recovery, and token-cost efficiency.
- **Engineering Velocity & Architecture (Claude, Codex):** Leveraged advanced LLMs as architectural sparring partners to explore system solutions, evaluate design pattern trade-offs, and accelerate deep comprehension of complex codebases.
- **Solution Auditing & Guardrails:** Acted as the core quality checkpoint, critically auditing AI-generated proposals and plans to enforce strict control over business logic, security standards, and runtime performance.

02 INDEPENDENT PROJECTS

2024 – Present
Personal Project

Multi-Exchange Portfolio & Order Execution Engine (CEX & DEX)

Private Backend System · High-Performance Crypto Asset Management

- **Cross-Exchange & Multi-Chain Aggregation:** Engineered unified REST & WebSocket clients across CEXs and multi-chain DEXs to aggregate real-time balances, portfolio valuation, and liquidity.
- **Order Execution & Same-Chain Transfers:** Built high-reliability order routing workflows and automated asset transfers between accounts on the same chain with transactional idempotency and concurrency controls.
- **High-Performance Backend & Infra:** Architected using NestJS and Prisma ORM on PostgreSQL; utilized Redis for rapid market state caching and API rate-limiting; containerized via Docker on AWS.

03 PREVIOUS WORK EXPERIENCE

2020 – 2021
07/2020 - 09/2021

Front-end Developer

INNOTECH Vietnam Corporation

- **Mobile & Offline Storage (React Native):** Developed core features, structured navigation architecture (React Navigation), and standardized state management with MobX; integrated Realm database for high-speed offline access.
- **Analytics & Headless CMS (ReactJS & Gatsby):** Integrated analytics SDKs (Adjust, Amplitude) for funnel tracking; built administrative portal using ReactJS, Redux, Ant Design; adopted Gatsby and Netlify functions to reduce hosting costs and optimize load times.

2017 – 2020
03/2017 - 07/2020

Software Development Engineer

M-Pay Trading and Technology Services

- **Mobile Banking App (React Native):** Built and maintained ABBANK M-Plus digital banking app across App Store & Google Play, fine-tuning secure financial transaction pipelines for end-user reliability.
- **Payment Gateway & Security (ReactJS & Java):** Developed web UI for eMonkey payment system; built high-throughput Java backend services (Netty, Kafka, ActiveMQ); implemented strict AES and RSA cryptographic algorithms for payment flows.

2016
07/2016 - 11/2016

Android Developer — MicroBenry, Hanoi

Built and published AiBook native app on Google Play; optimized UI rendering, Picasso image caching, OkHttp3 networking, and Firebase Cloud Messaging (FCM).

04 TECHNICAL SKILLS & DOMAIN EXPERTISE

FRONT-END WEB
ReactJS · Next.js · TypeScript · Astro · TanStack Query · Zustand · Redux · MobX · Plasmic CMS

MOBILE DEVELOPMENT
React Native · Native Modules · Swift · Objective-C · Kotlin · React Navigation · Realm DB · Flutter · Dart

BACK-END, DATA & CLOUD
NestJS · Node.js · TypeScript · PostgreSQL · Prisma · Redis · Supabase · Docker · AWS · Vercel · Spring Boot · GitHub Actions · Semaphore · Fastlane · Golang · Kafka

APPLIED AI & ENGINEERING
Claude · Codex · RAG Pipelines · LangGraph · Langfuse · AG-UI · Vector Embeddings · Perplexity API · STT / TTS

05 EDUCATION & DEGREE

B.S. in Electronics & Telecommunications Engineering

School of Electronics and Telecommunications, Hanoi University of Science and Technology (HUST)
Class of: 2011 – 2017

06 DIRECT CONTACT

0393221119
nampt.space
nampt2393@gmail.com
linkedin.com/in/nam-phạm-52366b437
Ho Chi Minh City, Vietnam