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INTRODUCTION

React Native Lead with 8+ years in mobile development (6+ years React Native, 2 years native Android), specializing in mobile architecture and application performance. Leads development teams end-to-end — requirement analysis, client communication in English, code review standards, and release ownership — while staying hands-on full-stack with NestJS, Next.js, and PostgreSQL. Delivered products across healthcare, booking, social networking, IoT, and multi-tenant platforms for international clients.

Since 2025, works AI-first: designing the specs, agent skills, rules, and verification harnesses that let AI coding agents ship 90% of commits across three production healthcare apps.

KEY ACHIEVEMENTS

- Shipped 3 greenfield healthcare apps with 90% AI-co-authored commits behind custom agent harnesses (specs · Claude Code skills · blocking CI gates). (Silentium)
- Turned a 46-screen prototype into production in 3 weeks via parallel AI agents (plan → human-review → TDD). (Silentium)
- Cut garrioCOM cold start from 10+ s to 1–2s (~85% faster) via startup caching, lazy loading, deferred init. (Silentium)
- Accelerated 90MB media transfers from ~5 min to ~10s (30×) with a custom chunked-encrypted native module. (Silentium)
- Replaced ~30-min blocking local builds with self-hosted GitLab CI + Fastlane, auto-shipping via Firebase Distribution. (HDWEBSOFT)
- Led 3 teams (12 engineers) in parallel sprints to deliver Gotham City MVP 2 weeks early. (HDWEBSOFT)
- Led HDBooking (30+ members across 5 cross-functional teams) to deliver 8 sprints of a multi-tenant booking SaaS. (HDWEBSOFT)

SKILLS

AI	Harness engineering, Claude code (skills, rules, agents), MCP, spec-driven development, ADRs
Mobile	React Native (New Arch, Hermes, Reanimated), Expo / EAS, TypeScript, Swift, Java, performance optimization
Backend & Web	NestJS, Next.js, Node.js, PostgreSQL, MongoDB, Redis, Prisma, NATS / MQTT / WebSocket
Testing & CI/CD	Jest, RNTL, Detox, Maestro, Sentry, GitHub Actions, GitLab CI, Fastlane
Infrastructure	Docker, Kubernetes, AWS
Leadership	Team leadership, code review, sprint planning, release ownership, English client communication

WORK EXPERIENCE

SILENTIUM

08/2024 - Present

React Native Lead | Full-stack Engineer

- Lead mobile development for four patient-facing healthcare apps (team of 2) — owning architecture, technical direction (greenfield + legacy modernization), code reviews, sprint planning, and monthly releases.
 - Pioneered AI-first delivery: built the agent harness (custom skills, rules, human review gates) and a cross-repo source-of-truth doc pipeline aligning engineers, AI agents, and Backend/PM/Design on requirements, API contracts, and ADRs.
 - Own mobile quality end-to-end — testing strategy, coverage policy, crash monitoring — enforced by 4–5 blocking CI gates per app.
 - Develop full-stack features across mobile, web admin, and backend services.
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HDWEBSOFT

03/2020 - 05/2024

Project Leader | React Native Developer

- Managed project planning, sprint execution, and direct US/CA client communication across parallel React Native projects.
 - Served as technical escalation point — guided implementation and code reviews for mobile teams.
 - Coordinated releases, documentation, and App Store / Google Play publishing.
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TMA Solutions

10/2017 - 02/2020

Android Developer

- Built and maintained native Android (Java) apps — feature development, REST API integration, and production defect resolution.
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PROJECTS

Patient Apps — Jelvo, Abasoft, CubePatient

React Native Lead | 2025 – Present

- Three greenfield patient apps for the German healthcare market: Jelvo (doctor-appointment booking with AI-driven scheduling), Abasoft (patient companion for medical practices), and CubePatient (telemedicine — registration, 2FA verification, practice pairing, consent management).
 - Built on Expo + React Native New Architecture (Expo Router, EAS Build/Update) — feature-based clean architecture, GDPR/DSGVO compliance by design.
 - Delivered AI-first via a per-app agent pipeline: requirements analysis → task generation → planning ADRs (human-review gate) → TDD implementation → machine-verified completion (typecheck, lint, tests).
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garrioCOM — Healthcare Management Platform

Full-stack Engineer | 2024 – Present

- Healthcare platform connecting patients, care providers, and administrators — mobile app plus web admin and backend services, with secure encrypted media exchange.
 - Tech stack: React Native (New Architecture), Next.js, Node.js, NestJS, NATS, PostgreSQL, MongoDB, Redis, Prisma, Zitadel, Docker, Kubernetes.
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HDWEBSOFT Client Projects

Project Leader / React Native Developer | 2020 – 2024

- Delivered 12+ projects for US and Canadian clients across booking, social networking, multi-tenant platforms, trivia games, dating, and music
 - Tech stack: React Native, Node.js, Python, Django, AWS (EC2, RDS), WordPress.
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Portfolio (Personal project)

AI-Driven Development | 08/2026 – Present

- Bilingual portfolio + admin CMS (Next.js 15, SQLite, Docker/Traefik), delivered end-to-end via subagent-driven development.
 - Website: <https://ndthinh.tech/>
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Connexion (Personal project)

Project Manager / Developer | 04/2024 – Present

- Mobile app for couples and friends — track anniversaries and shared time, exchange messages, notes, and photos. Own the product end-to-end: mobile, backend, and store publishing.
 - Tech stack: React Native, NestJS, PostgreSQL, AWS S3, Vercel.
 - Google Play: <https://play.google.com/store/apps/details?id=com.connexion.mobile.app>
 - Apple App Store: <https://apps.apple.com/us/app/my-connexion/id6505111928>
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IoT Smart Home (Personal project)

Product Owner / Developer | 2021

- Smart home system: mobile app + central hub for monitoring and controlling household devices
 - Tech stack: React Native, Express.js, MongoDB, Python, Django, Arduino, C/C++, MQTT, WebSocket, RTMP.
 - YouTube Demo: <https://www.youtube.com/watch?v=-T2cwJ0snOI&t=112s>
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Who Is Smarter Game (Personal project)

Product Owner / React Native Developer | 2021

- Mobile trivia game — product definition, development, backend integration, and publishing.
 - Tech stack: React Native, Python, Django, AWS EC2, AWS RDS.
 - Apple App Store: <https://apps.apple.com/vn/app/who-is-smarter/id1573439843>
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EDUCATION

Ton Duc Thang University

2013 - 2021

Bachelor & Master of Computer Science

CERTIFICATIONS

Google Project Management

4/2024

Issuer: Google

Reference: <https://coursera.org/verify/specialization/YQ477Q5KXY3>

Full-Stack Web Development with React

6/2022

Issuer: Coursera

Reference: <https://coursera.org/verify/specialization/MB5WWZXCW32Z>

AWARDS

TMA Star Performers - Quarterly 1 / 2019

4/2019