

HAU NGUYEN NGOC

FULL STACK ENGINEER

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📍 Open to Vietnam-based and Global Remote Roles

SUMMARY

Full-stack engineer with 6+ years of experience building SaaS products, marketplaces, booking and scheduling systems, CRM platforms, and AI-enabled applications. Experienced in owning end-to-end features across frontend, backend, databases, third-party integrations, and business-critical workflows.

Contributes through technical design, PR reviews, debugging, mentoring, and direct collaboration with client stakeholders, with hands-on experience in concurrency, data consistency, payment reliability, search performance, and real-time application flows.

EXPERIENCE

Full Stack Engineer

WSOFT PRO

📅 10/2024 - Present 📍 Remote

- Own full-stack feature delivery across multiple SaaS products, working across frontend, backend, databases, business rules, and third-party integrations.
- Contribute through technical discussions, PR reviews, debugging, mentoring, and engineering guidance across React, Vue/Nuxt, Express, FastAPI, PostgreSQL, and MongoDB systems.

Full Stack Engineer

NAPA GLOBAL (Project-based Contract)

📅 01/2026 - 05/2026 📍 Remote

- Delivered full-stack features for a mobile travel marketplace across React Native, NestJS, PostgreSQL and third-party integrations covering booking, payments, authentication, and real-time communication.
- Owned booking, payments, authentication, real-time communication, and related reliability workflows across frontend and backend.

Full Stack Engineer

PUREATIVE

📅 05/2020 - 10/2025 📍 Remote

- Progressed from implementing CRM and product workflows to owning end-to-end features across SaaS, marketplaces, AI tools, training, content, and rental-management products.
- Worked directly with client stakeholders while taking increasing ownership of implementation, debugging, technical decisions, and feature delivery.

PROJECTS

Flygplastbolaget — Airport Booking Platform

📅 11/2025 - Present 📍 WSOFT PRO

Airport booking platform for managing landing strip reservations, customer agreements, administration, and Fortnox invoicing.

- Built reservation, agreement, administration, and Fortnox invoicing workflows across React, Express, and MongoDB.
- Serialized reservation mutations and revalidated availability before persistence to prevent stale or concurrent double-booking.
- Built idempotent invoice creation with reconciliation between Fortnox and internal billing state; used Codex for flow tracing, edge-case investigation, refactoring, and test drafting.

Oh My Oppa — Travel Marketplace

📅 01/2026 - 05/2026 📍 NAPA GLOBAL

Mobile travel marketplace connecting tourists with Korean tour guides through booking, payments, real-time chat, and reviews.

- Built booking, payment, real-time chat, and guide workflows across React Native, NestJS, Prisma ORM, and PostgreSQL.
- Used explicit state transitions, idempotent provider-event processing, transactions, and reconciliation to keep PayPal/Toss and internal payment state consistent.
- Persisted chat with message deduplication and reconnect synchronization to recover conversation state after network interruptions; used Claude Code to trace cross-layer flows and investigate network edge cases.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

TypeScript JavaScript Python

FRONT-END

React Next.js Vue.js Nuxt

React Native TanStack Query

Redux Toolkit Zustand Ant Design

TailwindCSS Material UI

Responsive Design

BACK-END

Node.js NestJS Express FastAPI

DATABASE

PostgreSQL MongoDB Prisma ORM

Schema Design Query Optimization

CLOUD & QUALITY

AWS GCP Docker CI/CD

API Testing Unit Testing

Performance Optimization

Integrations

Stripe PayPal Toss Payments

Firebase OpenAI API Claude API

AI-assisted Development

Claude Code Codex Cursor

LANGUAGES

Vietnamese Native

English Fluent

EDUCATION

Engineer's degree, Information

Technology

Vietnam-Korea University of
Information and
Communication Technology

📍 Vietnam

GPA
3.59 / 4.00

PROJECTS

Coliving — Rental Management Platform

06/2025 - 10/2025 PUREATIVE

Platform for managing rental properties, tenants, and administrative workflows.

- Built React interfaces, NestJS services, and PostgreSQL models for property, tenant, and administrative workflows.
- Centralized domain rules in backend services, enforced database constraints, and used transactions for multi-entity operations.
- Consolidated admin forms into reusable typed components; used Cursor to trace domain rules, remove duplicated validation, and support refactoring.

Texture Studio — Digital Asset Platform

12/2024 - 09/2025 WSOFT PRO

Digital library for architects, designers, 3D artists, and manufacturers to browse PBR textures, 3D models, HDRIs, and brand portfolios.

- Built Vue.js and Nuxt interfaces backed by FastAPI and PostgreSQL for asset catalogs, manufacturers, galleries, search, filtering, and detail pages.
- Designed server-side filtering and pagination around PostgreSQL indexes aligned with common query patterns.
- Combined server-side rendering with lightweight, lazy-loaded previews, so users could browse large media catalogs without downloading full-resolution resources upfront.

Referee Hub — Referee Scheduling SaaS

10/2024 - 02/2025 WSOFT PRO

Platform for managing referee availability, match requests, bookings, and assignments.

- Built referee availability, match-request, booking, and assignment workflows across Vue.js, Nuxt, FastAPI, and PostgreSQL.
- Combined interval-overlap validation with a PostgreSQL exclusion constraint to prevent concurrent conflicting assignments.
- Kept scheduling state authoritative on the backend and refetched affected data after mutations to synchronize the client.

Scout — Job Marketplace

09/2023 - 05/2024 PUREATIVE

Job marketplace linking talent with employers.

- Built Vue.js and Nuxt workflows backed by FastAPI and PostgreSQL for job listings, applications, business profiles, search, and filtering.
- Implemented server-side search, filtering, and pagination, combined with debounced queries, query-based caching, and cancellation or rejection of stale requests to reduce unnecessary traffic and prevent outdated results from replacing newer searches.
- Used server-side rendering for public job and business pages while keeping interactive search and application flows client-driven.

ADDITIONAL PROJECTS

Trainix — Driver Training Platform | PUREATIVE

04/2024 - 09/2024

Built React, NestJS, PostgreSQL, and AWS-backed workflows for training courses, driver assignments, progress tracking, completion state, and training media.

Simpson and Partners — EV Charger Comparison Platform | PUREATIVE

02/2023 - 08/2023

Developed Next.js and TypeScript pages backed by a headless WordPress CMS, mapping CMS content models into typed components for customer-facing charger comparison pages.

SarsiAI — AI Prompt Assistant | PUREATIVE

07/2022 - 06/2023

Built FastAPI and MongoDB services around OpenAI-powered prompt workflows, isolating prompt construction, validation, response processing, and error handling behind backend services.

Review Writer — AI Review Response SaaS | PUREATIVE

11/2021 - 05/2022

Built Next.js and NestJS workflows around customer reviews and OpenAI-generated response drafts, including review data views, filtering, draft generation, and manual editing workflows.

G-Signal — CRM Platform | PUREATIVE

05/2020 - 10/2021

Built React, NestJS, and PostgreSQL CRM workflows with indexed queries, reusable UI components, and client-facing operational process refinement.