

TRAN HUU TAI

Mobile Developer

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60 Đ Làng Tăng Phú, Tăng Nhơn Phú A, Thủ Đức, Hồ Chí Minh, Việt Nam

SUMMARY

I am a careful Fullstack Developer who wants to create clean and high-quality products. I like coding and always try to learn new things to improve my skills and work better. Besides coding, I enjoy traveling and discovering new places, which gives me more ideas and helps me solve problems.

EDUCATION

Bachelor's Degree in Information Technology 01/2021 - 01/2025
Ton Duc Thang University GPA: 8.21/10

Completed core and advanced courses including programming fundamentals, algorithms, object-oriented programming (OOP), and data structures. Beyond coursework, proactively self-studied modern technologies such as UI libraries for web and mobile development, and other emerging frameworks/tools to strengthen practical skills for both academic projects and professional work.

EXPERIENCE

APETECHS Solution 03/2024 - Present
Fullstack Developer Fort Worth, Texas

- Innovative Fullstack Developer with 1.5 years of experience, specializing in building dynamic and user-friendly applications using React Native and NestJS APIs.
- Experienced in UI/UX optimization, code performance improvement, and integration of Firebase, GPS, and location-based services.
- Backend (NestJS): Skilled in designing and developing REST APIs, database management, third-party systems (e.g., Payroll, Sepay), and building scalable server-side solutions.
- Domain Knowledge: Gained hands-on experience with real business workflows such as boarding house management, warehouse management for F&B chains, and procurement processes for production.

PROJECTS

AI-powered Travel Assistant for Foreign Tourists in Ho Chi Minh City (Hodos) 2024 - Present
Team size : 2

Built a smart travel assistant app that helps international tourists overcome language barriers, navigation issues, and trip planning difficulties while exploring Ho Chi Minh City.

- Backend (NestJS): Designed RESTful APIs, integrated third-party systems, and managed PostgreSQL database.
- Frontend (Android Jetpack Compose): Developed and optimized UI/UX, connected to backend services, and improved usability.
- Data Collection: Gathered and prepared image datasets (landmarks, food) for AI training and testing.
- AI Development: Integrated a pre-trained Computer Vision model into the mobile app (local) for landmark and food recognition, and implemented RAG-based prompting with external LLMs to deliver accurate, context-aware travel recommendations while reducing hallucinations.

Technologies: NestJS, Jetpack Compose, PostgreSQL, Firebase, Computer Vision (YOLO), LLM, RAG pipeline

Impact: Delivered a personalized, reliable, and interactive travel assistant, enhancing the experience of foreign tourists and promoting Ho Chi Minh City's culture through technology.

- Landing: <https://hodos-admin.gitlabserver.id.vn/landing>
- Full Description:



SKILLS

Backend Development • NestJS •
Java (Spring Boot) • \RESTful APIs

Frontend Development •
Mobile Development • React.js •
AngularJS • React Native • Android Studio •
Jetpack Compose

DevOps • Cloud • Ubuntu •
Linux Server Management

Git • GitHub • Docker

INTERESTS

Technology & Coding

Enjoy writing clean code and keeping everything well-organized; passionate about exploring new technologies related to app development and eager to work with high-load systems.

Travel & Exploration

Passion for motorbike road trips and exploration, which helps me relieve stress while reflecting on solutions for both work and life challenges.

PROJECTS

F&B Procurement and Inventory Management System
(Americano Chain)

2024 - 2025

APETECHS Solution - Team size: 6

Developed a management system for an F&B retail chain (Americano) to handle purchasing, inventory control, and inter-branch coordination. The app supports store managers and staff in streamlining daily operations and improving stock accuracy.

- Backend (NestJS): Implemented features for sales forecasting, inventory deduction, purchase order management, and synchronization of stock between branches.
- Frontend (React Native): Built and optimized UI for inventory and procurement workflows, integrated barcode scanning for faster stock checks, and delivered smooth user interactions.

Technologies: NestJS, React Native, PostgreSQL, Firebase, Barcode Scanning Libraries
Impact: Helped Americano's chain stores reduce inventory errors, speed up stock-taking, and improve efficiency in procurement and branch operations.

Pickleball Court Management System (TeamSize 16)

2025 - 2025

Duration: 2 months

Built a full platform to manage pickleball activities, including court booking, tournament management, news publishing, and role-based access for web users and admins.

- My Role: Focused on integrating Payoo payment gateway, managing transactions, and developing booking modules for both fixed and walk-in court reservations.
- Backend (NestJS): Implemented payment and transaction logic, and built APIs for booking flow.
- Frontend (React / React Native): Supported booking interface for users to reserve courts easily.
- Technologies: NestJS, React Js, PostgreSQL, Payoo API.
- Impact: Simplified booking process, improved payment reliability, and supported better management of courts and users.