

TRAN HUU TAI

Fullstack Developer

+84 376 100 548
60 Đ Làng Tăng Phú, Tăng Nhơn Phú A, Thủ Đức, Hồ Chí Minh, Việt Nam
huutaidev@gmail.com
<https://devonwheels.id.vn>

As a detail-oriented Fullstack Developer, I consistently deliver clean, high-quality products that meet rigorous standards for performance and reliability. Demonstrated a strong commitment to professional growth by continuously acquiring new programming skills, which enhanced project quality and productivity. In addition to my technical expertise, I actively pursue travel and exploration, which broadens my perspective and enhances my problem-solving abilities.

Work Experience

Fullstack Developer

APETECHS Solution | Fort Worth, Texas
Mar 2024 - Present

- Innovative Fullstack Developer with 1.5 years of experience, specializing in building dynamic, user-friendly applications using React Native and NestJS APIs to deliver [number]% improvement in user satisfaction and streamline development processes.
- Optimized UI/UX and enhanced code performance, successfully integrating Firebase, GPS, and location-based services to achieve measurable improvements in efficiency and user engagement by [number]%.
- 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.

Education

Ton Duc Thang University

Information Technology | Bachelor's Degree in Information Technology
Jan 2021 - Jan 2025
GPA 8.21/10

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

Skills

Hard 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

Soft Skills

[Include relevant soft skills for this role]

Languages

- English | Intermediate | B1

INTERESTS

Technology & Coding

Developed modular, maintainable code and implemented organized project structures while actively researching and integrating emerging app development technologies, with a strong interest in optimizing performance for high-load systems.

Travel & Exploration

Enthusiastic about motorbike road trips and exploration, which support stress management and inspire creative problem-solving in both professional and personal contexts.

PROJECTS

AI-powered Travel Assistant for Foreign Tourists in Ho Chi Minh City (Hodos)

2024 - Present

Team size: 2

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- 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>

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

2024 - 2025

Team size: 6

- 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

Duration: 2 months

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- Built a full platform to manage pickleball activities, including court booking, tournament management, news publishing, and role-based access for web users and admins.
- I integrated the Payoo payment gateway, managed transactions, and developed 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.