TRAN HUU TAI

Ba Developer

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Developed and delivered [number] robust fullstack applications on schedule, ensuring code quality and performance met or exceeded organizational standards for reliability and scalability. I continuously expanded my expertise by learning new programming languages such as typescript, resulting in improved project quality and increased productivity by [number]%. In addition to my technical expertise, I engage in travel and exploration to expand my perspective and strengthen my problem-solving skills.

Work Experience

Fullstack Developer

APETECHS Solution | Fort Worth, Texas

Mar/2024 - Present

- Fullstack Developer with 2 years of experience, specializing in designing and implementing real-time chat features and intuitive navigation flows for mobile applications using React Native and NestJS APIs, delivering [number]% improvement in user satisfaction and streamlining development processes.
- Redesigned the UI/UX and refactored code to reduce app load time and streamline user navigation, integrating Firebase, GPS, and location-based services to boost feature responsiveness and increase user engagement by [number]%.
- Backend (NestJS): Designed and developed REST APIs, managed databases, integrated third-party systems (e.g., Payroll, Sepay), and built scalable server-side solutions supporting [number] users or transactions.
- Domain Knowledge: Applied hands-on expertise to real business workflows, including boarding house management, warehouse operations for F&B chains, and production procurement processes, achieving measurable outcomes such as [number]% efficiency improvement or time saved.

Education

Ton Duc Thang University

Information Technology | Bachelor's Degree in Information Technology

Jan 2021 - Sep 2025

- GPA 8.21/10
- Completed core and advanced courses in programming fundamentals, algorithms, object-oriented programming (OOP), and data structures, achieving top [number]% performance.
- Proactively self-studied modern technologies such as React and Flutter, leveraging these skills to develop [number] web and mobile applications for academic projects, resulting in improved project efficiency by [number]% and enhanced technical proficiency for professional assignments.

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

Languages

- English | Intermediate | B1

INTERESTS

Technology & Coding

- Developed modular, maintainable code and implemented organized project structures to enhance scalability and clarity.
- Actively researched and integrated emerging app development technologies to stay at the forefront of industry trends.
- Demonstrated a strong commitment to optimizing performance for high-load systems.

Travel & Exploration

Passionate about motorbike road trips and exploration, leveraging these pursuits to enhance stress management and stimulate creative problem-solving in professional and personal settings.

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

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

2024 - 2025
- Team size: 12
- APETECHS Solution – Team size: 12
- Developed a management system for an F&B retail chain (Americano) to handle purchasing, inventory control, and inter-branch coordination. The app supported 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
- 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.