



# Tran Dang Hoang

## BACK-END SOFTWARE ENGINEER

Experienced Back-end Software Engineer with 4 years' expertise in creative app development. Skilled in Node.js, Typescript, Docker, and AWS services, eager to optimize server-side solutions. Strong team player with problem-solving drive, enhancing user experiences and project success.

## Technical Skills

- JavaScript, TypeScript  
Expert (5/5)
- NestJS, Loopback 4, ExpressJS  
Expert (5/5)
- Terraform, Docker, Jenkins, GitlabCi  
Advanced (4/5)
- PostgreSQL, SQL Server, MongoDB  
Advanced (4/5)
- AWS, GCS, Kafka, Google PubSub  
Intermediate (3/5)

## Education

### Software Engineer

University of Information Technology

## Experience

○ **Dec 2021 - Present**  
UDT - Chantry HX

### Back-end Software Engineer

- Built an API integration gateway service for HX's third-party suppliers, including but not limited to Hilton Hotel, Mobian Parking, Quirk Parking, NCP Parking, and others.
- Showcased various technologies, including RabbitMQ, Google PubSub, microservices, cache, Elasticsearch, gRPC.
- Delivered real-time price and availability information from multiple suppliers to HX in a single, normalized format and provided an aggregated feed of product prices and availability for booking decoupling.
- Implemented solution currently serving live customers with the integrated suppliers.
- Contributed to the HX vision as a platform business with potential for future productization and sale to other third-party aggregators and affiliates.
- Technologies: NestJS, gRPC, MongoDB

○ **Sep 2020 - Nov 2021**  
UDT - Homeroom

### Full-stack Software Engineer

- Built a platform for effortless shared housing search for tenants, and a portal for property owners to manage their properties.
- Developed a user-friendly CMS for the HR team to update the Owner Portal and Website.
- Successfully grew the platform to have live US customers, receiving positive feedback on its ease of use and effectiveness.
- Technologies: Loopback 4, NextJS, MongoDB

○ **Mar 2019 - Aug 2020**  
UDT - UDT Platform

### Full-stack Software Engineer

- Create and develop a support system for managing firm members, projects, company partner, members' working time, members' contract and others to make administration easier and more comfortable for administrators.
- Provided and implemented solutions for the project and user management diagram, including optimizing performance when querying in MongoDB, in addition to developing the company's payroll payment system.
- Migrated and optimized the back-end infrastructure from ExpressJS to Loopback 4.
- Technologies: Loopback 4, ExpressJS, MongoDB

# Freelance

---

○ **Aug 2018 - Feb 2019**

CaiMep Container

## Full-stack Software Engineer

- Developed and implemented ERP and CSM systems for a container-related solution company.
- Streamlined their operations and improved their customer service, resulting in increased efficiency and profitability.
- Technologies: Loopback 4, NextJS, MongoDB

○ **Feb 2018 - Jul 2018**

Appyhour

## Full-stack Software Engineer

- Developed Appyhour, a platform for finding the best happy hour beverage promotions in the US.
- Created a CMS for suppliers, an ERP for the Appyhour team, a website for users, and a dashboard for analytics and insights.
- Improved suppliers' ability to reach new customers and provide users with an easy-to-use website for finding their desired location.
- Technologies: Loopback 4, NextJS, MongoDB