

# Tran Duong Vinh

## Software Engineer

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### SUMMARY

I'm a responsible and curious full-stack software engineer, focusing on React, Node and NextJS with strong self-learning. I've built team-based web apps and deployed them using CI/CD pipelines on Google Cloud Platform and AWS EC2. Familiar with Agile workflows and known as a collaborative problem solver. I am seeking opportunities to expand my knowledge and enhance my software development journey.

### ACADEMIC BACKGROUND

#### NONG LAM UNIVERSITY (HCM NLU)

2022 - PRESENT

- Major: Information Technology – Information Systems.
- Learned core subjects in software engineer: algorithms, data structures, database, software architecture.
- Developed skills in programming (Javascript, Typescript), API design, software testing and agile project management.
- Applied knowledge to build web/mobile applications and design scalable systems.

### PERSONAL PROJECTS

#### Project: Backend Shopdev

- **Project Description:** A comprehensive e-commerce, featuring JWT authentication, multi-vendor product management, real-time shopping cart, and secure payment processing.
- **Repository:** [Backend Shopdev](#)
- **Technologies:** TypeScript, NodeJS, ExpressJS, MongoDB, JWT, Redis, RabbitMQ
- **Responsibilities:**
  - Implemented secure JWT authentication system with refresh tokens, multi-device sessions, and token blacklisting.
  - Implemented automated cron jobs for database optimization including expired token cleanup and session management.
  - Built comprehensive product management with dynamic attributes (Electronics, Clothing, Furniture) and search functionality.
  - Established testing infrastructure with 50% coverage using Jest, including unit and integration test suites.
  - Deployed monitoring solutions with Winston logging, health checks, and performance metrics tracking.

#### Project: My Restaurant

- **Project Description:** A restaurant management system that allows staff, menu and table control, with customer self-ordering via QR code.
- **Repository:** [My Restaurant](#)
- **Technologies:** TypeScript, NextJS, Fastify, Shadcn UI, Prisma, Supabase, AWS EC2, React Query, JWT, Socket IO, Next-intl
- **Responsibilities:**
  - Implemented multi-language support with Next-intl to improve accessibility across regions.
  - Migrate backend from Prisma to Supabase for simpler integration and real-time support.
  - Improved production performance by reducing bundle size with Next.js Bundle Analyzer.
  - Deployed app to AWS EC2 using Nginx and PM2 for a stable, production-ready service.

#### Project: Exclusive Ecommerce (7 members)

- **Project Description:** An Agile project to build a ReactJS e-commerce platform where users can search, filter, and purchase books across various genres, with features like shopping cart management.
- **Repository:** [Exclusive Ecommerce](#)
- **Technologies:** TypeScript, ReactJS, ExpressJS, PostgreSQL, GCP (App Engine, SQL Cloud), React Hook Form, React Query, JWT
- **Responsibilities:**
  - Led a 7-member Agile team, facilitated sprint planning and daily standups and brainstorming sessions.
  - Implement JWT-based authentication for secure user sessions.
  - Facilitated pair programming and code reviews to improve code quality.
  - Handled the connection and deployment of the project on GCP (App Engine, SQL Cloud).

### SKILLS

- **Programming languages:** JavaScript, TypeScript, HTML5, CSS3, SCSS
- **Frameworks / Libraries:** ReactJS, NodeJS, NextJS
- **Cloud & DevOps:** GCP, AWS, Docker
- **Version controls:** Git, GitHub
- **Others:** Redis, RabbitMQ, CI/CD, Postman, Linux