

Tran Dang Duy

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Profile

Information Systems graduate passionate about backend development. Seeking a fresher backend developer position to apply academic knowledge and gain hands-on experience in real-world projects. Eager to learn, grow professionally, and contribute effectively in a collaborative team environment.

Education

BS **Ho Chi Minh City University of Science**

Sept 2021 – Now

- **Major:** Information Systems
- **GPA:** 3.38/4.0

Skills

Technical Skills

- **Programming Languages:** Java, Rust, JavaScript.
- **Frameworks/Platforms:** Spring Boot, Express, Actix-web, NestJS.
- **API & Protocols:** RESTful APIs, HTTP methods, gRPC.
- **Database:** PostgreSQL, Oracle, MS SQL Server, Redis.
- **Tools and technologies:** Knowledgeable in Git and Docker.
- **CI/CD:** Experienced in Gitlab CI.
- **Microservices:** Experienced in developing and maintaining microservice architecture with inter-service communication using gRPC.
- **Project Management Methodologies:** Experienced in Agile and Waterfall projects, adaptable to diverse work environments.
- **Algorithm and Data Structure:** Strong knowledge of algorithms and data structures, providing a foundation for application development and optimization.

Non-Technical Skills

- **English:** IELTS 6.0 (Issued by British Council, 2024)

Projects


FARMERA – AGRICULTURAL PRODUCT SALES PLATFORM

Apr 2025 - Jul 2025

Back-end Developer

Technologies: Nestjs, Rust Actix-web, PostgreSQL, Azure, gRPC

- Developed a microservices-based agricultural e-commerce platform focusing on transparent production processes for farm produce and fruits.
- Designed and implemented multiple back-end services, including:
 - **Product Service:** Manages product listings and production data.
 - **Notification Service:** Sends user notifications via Firebase Cloud Messaging (push) and SendGrid (email).
 - **Communication Service:** Provides real-time, bi-directional messaging using WebSocket, enabling direct conversations between buyers and sellers.
- Implemented gRPC-based communication between services for efficient and strongly-typed data exchange.
- Integrated blockchain via Etherscan to log and verify each production step, enabling end-to-end product traceability and transparency for consumers.


- Deployed services to Microsoft Azure.
- Source: [Github - Farmera Microservices](#) 

EMPLOYEE MANAGEMENT WEBSITE

Oct 2024 – Jan 2025

Full-stack Developer

Technologies: Java Spring Boot, React, PostgreSQL, AWS


- A web-based employee management system for tracking employee records, performance, and payroll.
- Developed RESTful APIs using Spring Boot and integrated PostgreSQL hosted on AWS RDS.
- Implemented authentication and role-based access control.
- Designed and built the front-end using React for an interactive user experience.
- Set up GitLab CI/CD pipeline for automated testing and deployment.
- Containerized the application with Docker and deployed it to AWS EC2.
- Source: [GitLab - Employee Management](#) 

SHOPPING WEBSITE

Dec 2023 – Jan 2024

Back-end Developer

Technologies: NodeJS, ExpressJS, jQuery, PostgreSQL

- A web-based online shopping application, complete with payment features and a management system.
- Designed and implemented database using PostgreSQL.
- Integrated PassportJS with OAuth for user authentication, utilized cookies and sessions for user interaction.
- Implemented CRUD functions on the admin side, contributing to the creation of a flexible and efficient management system.
- Source: [Github - Shopping website](#) 

MAPS ANDROID APPLICATION

Nov 2023 – Dec 2023

Full-stack Developer

Technologies: Java, Firebase, and Google APIs.

- A navigation application inspired by Google Maps, incorporating various Google Cloud APIs.
- Implemented functionality to find the nearest route between two locations using Google API.
- Integrated Google account authentication for seamless login and registration processes.
- Designed and implemented features to store search history and favorite locations using firebase database, allowing users to easily access their preferences.
- Implemented real-time tracking of friends' locations.
- Source: [Gitlab - Maps Application](#) 