# Nguyen Thanh Trung

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## Summary

A software engineer with expertise in C#, Python, and JavaScript, passionate about building reliable applications, improving systems, solving problems, and applying DevOps principles to deliver scalable, high-quality products through automation and continuous integration.

### Work Experiences

### Software Engineer

Bin Tech Inc March 2025 – Present

- Developed RESTful APIs and front-end interfaces using Python (FastAPI), Node.js, and React.js.
- Built data pipelines with Dagster and MinIO for reliable data processing.
- Integrated user authentication and management via Keycloak.
- Containerized and deployed services using Docker and NGINX.
- Tech: Python, FastAPI, Dagster, MinIO, Keycloak, Docker, NGINX, AWS S3, JavaScript, React.js, Node.js

### Software Engineer Intern

FPT Software

September 2024 - January 2025

- Debugged and resolved issues in backend services.
- Monitored and diagnosed problems with Azure services.
- Contributed in designing and integrating backend with Azure.
- Tech: C#, ASP.NET Core, ASP.NET Core Web API, Azure Services (App Service, Blob Storage, Container Instances), SQL Server, Elasticsearch

## PROJECTS

## Metro Ticketing System (January 2025 – Present)

- A mobile and web-based platform that allows users to purchase and manage MRT tickets digitally with real-time validation and payment processing.
- Role: Team Leader, Fullstack Developer
- Team size: 6
- Led the design of a microservices architecture with separate modules for ticketing, payment, and user management.
- Designed and implemented RESTful APIs following CQRS and clean architecture principles, developed Admin Dashboard and mobile app using React.js and Flutter.
- Configured Kafka for service communication, built CI/CD pipelines with GitHub Actions, containerized services with Docker, and deployed on Linux via NGINX.
- Tech: C#, ASP.NET Core Web API, Microservices, CQRS, EF Core, Kafka, Docker, GitHub Actions, React.js, Flutter, NGINX, Linux

#### E-commerce Website (May 2024 – August 2024)

- A website that provides tools and services to help vendors sell their products effectively.
- Role: Team Leader, Fullstack Developer
- Team size: 5
- Designed and implemented RESTful APIs.
- Led the team by managing tasks, reviewing code, and ensuring delivery on time.
- Set up CI/CD pipelines and deployed backend and frontend to the cloud.
- Tech: C#, ASP.NET Core Web API, Reactjs, GitHub Actions, Azure (Virtual Machine, Blob Storage)

# EDUCATION

2022 - 2026 Software Engineer at FPT University

• GPA: 3.56/4

• 50% University Scholarship (2022 - 2026)

• Top 100 Software Engineering Students of the Semester (2024)

# SKILLS

Languages C#, Python, JavaScript/TypeScript, SQL

Frameworks ASP.NET Core (Web API, MVC), Entity Framework Core, FastAPI, React.js, Node.js

DatabasesPostgreSQL, MySQL, SQL Server, MongoDBDevelopment ToolsVisual Studio, Rider, VS Code, PyCharmDeployment ToolsDocker, GitHub Actions, AWS, Azure, Linux

Else Git, HTML/CSS, Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA),

CI/CD, Agile/Scrum, Cloud Computing, RAG Workflow, Networks

English B2 — proficient in reading, writing, and speaking