

NGUYEN DANG TRIEU

Backend Developer

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I'm a young developer with a strong ability to quickly grasp new technologies — typically within just 1-2 weeks. I've self-studied and successfully applied frameworks like Flask, FaceNet, and more through real-world projects. I'm not afraid of challenges and am always ready to take on any role, from backend development to AI, to solve problems efficiently. I'm looking for a dynamic environment where I can both deliver high-quality code and continuously improve through hands-on learning.

"Give me a problem – I'll learn the solution!"

™ Contact: TrieuTech11@gmail.com



Education

SOFTWARE ENGINEERING - INFORMATION TECHNOLOGY

Ho Chi Minh City University of Industry and Trade



👺 Work Experience

BACK-END DEVELOPER

9/2023 - 3/2024

2021 - 2025

T4TEK Co., Ltd.

Job Description:

Developed and customized ERP modules on the Odoo 17 platform based on business requirements.

Designed and integrated APIs (REST/JSON) to connect Odoo with thirdparty systems (e.g., websites, automated Facebook/Zalo posting, etc.).

Optimized business workflows (Sales, Inventory, Accounting, HR) by developing custom features.

Worked with PostgreSQL to manage the database, write complex queries, and optimize performance.

Collaborated with the QA team to test, fix bugs, and deploy updates.

Provided end-user training and created technical documentation.

Technologies used:

Odoo 17, Python, XML, JavaScript (Odoo Web Framework)

APIs: RESTful, Odoo RPC, third-party system integration

Database: PostgreSQL

Tools: Git, Docker, Linux



Awards and Honors

4/2022 Won the Faculty-level Algorithm Competition

4/2025 Finalist in the Faculty-level Scientific Research Competition

5/2025 Final Round of School-Level Science Research Competition



Certification

Coursera - Data, Data, Everywhere https://coursera.org/share/bd5e01b72fe75 b879e60e78f80c1f3a6

★ Skills

Programming Languages: C#

Programming Languages: Java, Python, SQL

Tools & Technologies: GitHub, SQL Server, MySQL ,Oracle,...

Soft Skills: Teamwork, logical thinking, self-learning

English: Able to read and understand technical documentation

o Interests

- Sports
- Reading



FACE RECOGNITION SYSTEM USING ML/DL

Technologies: Python (Flask), HTML/CSS, JavaScript, PostgreSQL, Docker.

Role: Al and Backend Developer, Researcher Description:

- -*Developed a real-time facial recognition system combining MTCNN (face detection), FaceNet (embedding extraction), and a Siamese Neural Network (identity verification).
- -*Built a lightweight web interface for face registration, user recognition, and attendance management.
- -*Implemented LAN-based mobile attendance: students can check in via a mobile app connected to the same network.
- -*Enabled real-time attendance tracking using a server-connected camera without requiring manual input.
- -*Designed the backend with Python (Flask) and integrated with a PostgreSQL database for secure data storage and user management.

Features:

- -Register users with 10 facial images each
- -Automatically record attendance based on facial verification
- -Maintain attendance history and records

Team size: 2 members

Status: Completed and internally tested

AI AUTO-POST FACEBOOK CONTENT TOOL - DAILY ENGLISH POSTING BOT

Technologies: Python, GitHub Actions, Facebook Graph API, Cohere AI, Unsplash API

Role: Backend Developer & Automation Engineer

Description:

- Automatically generates IT English vocabulary content using the Cohere language model.
- Fetches relevant illustrations from Unsplash.
- Posts daily to Facebook Page using Facebook Graph API.
- Entirely automated via GitHub Actions
- No server needed, runs 24/7 for free.

Team size: 1 member (individual project)

Status: Deployed and active

EXAM SCHEDULING APPLICATION - SEMESTER

EXAM MANAGEMENT

Technologies: C# (.NET WinForms), SQL Server

Role: Backend Developer

Description:

Built a system to automatically create and display exam schedules for students based on class size, exam rooms, and sessions.

Team size: 3 members

FASHION STORE WEBSITE - BASIC E-

COMMERCE INTERFACE

Technologies: HTML, CSS, JavaScript

Role: Frontend Designer

Description:

Created a basic fashion e-commerce website interface focusing on layout, colors, and user experience.

Team size: 2 members (group assignment) **DIGITAL LIBRARY – LIBRARY MANAGEMENT APPLICATION**

Technologies: C# (.NET WinForms), SQL Server

Role: Main Developer

Description:

Developed a digital library management software for schools with features including book borrowing/returning, search, user management, and administrator account control.

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Team size: 1 member (individual project)