

# DANG VAN NAM

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## PROFESSIONAL OBJECTIVE

Final-year Software Engineering student at Duy Tan University, with a strong foundation in **Python**, **Java**, **C**, and web frameworks (**Django**, **FastAPI**, **ASP.NET**, **Spring Boot**). Ready to apply knowledge of **Leader** roles and **Agile Scrum** processes in a professional environment. Eager to leverage both **Backend/Full-stack Development** capabilities to build products and specialized **Automation Testing (Java/Selenium)** skills to ensure comprehensive software quality.

## PROJECT EXPERIENCE

### FAMILY SUGGESTION SYSTEM

Feb 2025

- **Role: Project Leader.** Responsible for **database design (MySQL)**, programming the entire **Backend API (Python/FastAPI)**, and **developing the Crawling Tool with Python/Selenium** to gather source data.
- **Core Functionality:** Programmed logic to suggest food suitable for user health based on their health history.
- **Performance Optimization:** Integrated **Redis Caching** to store temporary data, significantly reducing query processing time to the MySQL DB.
- **Process:** Operated and managed the project using the **Agile Scrum** model.
- **Technologies:** Python, FastAPI, React, Redis, MySQL.

### AI PRODUCT RECOMMENDATIONS FOR E-COMMERCE

Sep 2024

- **Role: Project Leader.** Responsible for **database design**, served as the main **Backend developer (Python/Django)**, and also **developed the Crawling Tool with Python/Selenium** to gather data for the website.
- **Core Functionality:** Built a personalized product recommendation platform based on user interaction data on the system.
- **Performance Optimization:** Applied **Redis Caching**, significantly reducing query processing time to the MySQL DB, improving user experience.
- **Process:** Built and deployed the project following the **Agile Scrum** model.
- **Technologies:** Python, Django, React, Redis, MySQL.

## EDUCATION & CERTIFICATION

**EDUCATION** 2021 – 2025 Bachelor of Software Engineering at **Duy Tan University**

### PROFESSIONAL TRAINING

**Software Testing Course (Manual & Automation)**

CyberSoft Academy

- Content: Completed specialized training in Test Case Design, API Testing, and **Automation Testing** (using **Java/Selenium WebDriver**, **TestNG**).

**Cyber Security Certificate**

AGEST (Sep 2024)

## PROFESSIONAL SKILLS

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|-----------------------|---|
| Programming Languages | PYTHON, JAVA, C#, C/C++   |
| Web Frameworks        | DJANGO, FASTAPI, SPRING BOOT, ASP.NET   |
| Testing & QA          | <b>Automation:</b> Java, Selenium WebDriver, JUnit/TestNG. <b>Manual:</b> Test Case Design, Test Planning, API Testing (Postman). |
| Databases             | MySQL, SQL Server, MongoDB, Redis   |
| Tools & Others        | Git, <b>Agile Scrum (Project Management)</b> , <b>Selenium (Data Crawling)</b> , Visual Studio, PyCharm, VS Code, Postman.        |