Van Nam Nguyen

Software Engineer

✉ Email ▦ Phone 💻 GitHub 🔗 LinkedIn 🌐 Website

👋 Introduction

I am a technology enthusiast always seeking ways to create valuable products for end users. I can work independently and in teams, with experience in leading medium to small projects.

💼 Work Experience

Intern   2019 - 2020

Fubon Vietnam Life Insurance Company

IT System Manager   2020 - Present

ADDJ Technology Development JSC

- Managed, developed, and coordinated software projects, from development to deployment.
- Managed and operated the company's network and cloud infrastructure, ensuring stability and security.
- Developed and applied AI systems to enhance work efficiency, supporting the company's long-term development strategies.

🎓 Education

Hanoi University of Industry 　　　　　　　2016 - 2020

Software Engineering

DEVMASTER Technology and Training Institute 　2019 - 2020

Java Developer

Athena International Network & Security Management Training Center

2023

Network Security, Linux Administration

AI VIET NAM 　　　　　　　　　　　2023 - Present

AI/ML Engineer

💻 Professional Skills

Python

AI/ML

Database

FastAPI

Git

🚀 Additional Skills

Figma

Docker

Windows/Linux

NextCloud

AWS

☑ Notable Projects

Development of Task and Equipment Management System

Project Description: Develop a system to manage team tasks, equipment inventory, and generate periodic reports (weekly, monthly).

Team Size: 1

Role: Performed the entire project

Technology: Google Sheets App Script, Python, TeleBot

Main Features:

- Call API into Google Sheets; track project progress, and employee productivity into a summary sheet;

- Create a system for managing company equipment and display in Google Sheets; track the quantity of equipment at different projects; monitor equipment maintenance and movement history;
- Send periodic progress reports, productivity, and equipment status to a Telegram group.

Develop, Operate Digitalization and OCR Software

Project Description: Develop digitalization software, automate processes in document digitization.
Team Size: 5
Role: Backend & Database
Technology: Python, OpenCV, OCR, SQL, FastAPI
Main Features:
- Write functions and procedures to track data for each project;
- Build quality control tools for data entry;
- Develop an advanced OCR module to enhance the OCR quality from the old system;
- Operate digitalization software and management software;
- Develop an API for customer access.

Build Cloud Storage System

Project Description: Implement cloud storage for the company.
Team Size: 1
Role: Performed the entire project
Technology: NextCloud, Docker, VMware
Main Features:
- Research and implement NextCloud cloud storage (similar to Google Drive);
- Operate and troubleshoot during the operation phase.

AI Application in Document Digitization.

Project Description: Use AI technology to recognize and extract information from paper documents.

Team Size: 2

Role: Research and Development

Technology: Python, AI/ML, OCR, LLM

Main Features:

- Apply LLM combined with OCR to extract data from paper documents;
- Build an API for the operational department.

Build Search System Based on LLM

Project Description: Develop an intelligent search system based on Large Language Model (LLM) technology to support searching for information in Vietnamese from internal documents.

Team Size: 2

Role: Research and Development

Technology: LLM, Python, OCR, Llamaindex, AI/ML

Main Features:

- Apply LLM in the software to search and respond to user queries related to internal company documents.

🧑‍💻 Personal Project

Daily English Learning Application

Project Description: The system periodically sends a new vocabulary word via Telegram messages. The content includes: the word, phonetics, synonyms, antonyms, example sentences, and their translations.

Team Size: 1

Role: Responsible for the entire project

Technologies: Python, TeleBot, LLM

Main Features:

- Automates vocabulary learning by sending daily English vocabulary notifications via Telegram;

- Uses LLM to search for definitions, synonyms, antonyms, and example sentences.

Daily News Summarization Application

Project Description: The system periodically sends a summary of the latest article from a predefined website.
Team Size: 1
Role: Responsible for the entire project
Technologies: Python, TeleBot, LLM
Main Features:

- Fetches data from a predefined website, processes the data, uses LLM for summarization, and sends the content via Telegram.