


Van Nam Nguyen

Software Engineer

 Email

 Phone

 GitHub

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 Website

Introduction

With a passion for technology and innovation, I am always looking for opportunities to develop products that provide real value to end-users. I have the ability to work independently and collaborate effectively in teams, along with experience leading projects of various scales, from small to medium-sized.

With over 5 years in the IT industry, I have deep expertise in software development and project management. I have more than 3 years of experience with Python and databases, as well as proficiency with tools like Git, Docker, and others that support work efficiency. Additionally, I have experience in developing and applying AI in real-world projects. Throughout my career, I continuously strive to refine my skills and stay updated on new technological trends, as I believe creativity and a learning mindset are the key factors for success.

Work Experience

Intern

2019 - 2020

Fubon Vietnam Life Insurance Company

Information Systems Management

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

2022 - 2023

Network Security, Linux Administration

AI VIET NAM

2023 - Present

AI/ML Engineer

Professional Skills

Python

AI/ML

Database

FastAPI

Git/Github

C#

Golang

Networking

Additional Skills

Figma

Docker

Windows/Linux

NextCloud

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).

Duration: 2022

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.

Duration: 2022

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.
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Build Cloud Storage System

Project Description: Implement cloud storage for the company.

Duration: 2023

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.
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AI Application in Document Digitization.

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

Duration: 12/2023 - 06/2024

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.
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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.

Duration: 04/2024 - 10/2024

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.
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Building a Recommendation System

Project Description: Research and develop a recommendation system for users based on existing information in the system.

Duration: 12/2024 - Present

Role: Research and Development

Technologies: Python, AI/ML, LightGBM, Neural News Recommendation with Multi-Head Self-Attention (NRMS), Redis, Faiss, MongoDB, Elasticsearch, FastAPI, ...

Main Features:

- Recommend articles, documents, products, etc., tailored to users
- Provide APIs for websites and apps



Personal Projects

Build an English Learning App

Project Description: On a daily basis, the system will send a new vocabulary word via a Telegram message. The content includes: the vocabulary word, phonetic transcription, synonyms, antonyms, example sentence, and its translation.

Duration: 2024

Technologies: Python, TeleBot, LLM

Main Features:

- Automates the process of learning vocabulary by sending daily English vocabulary notifications via Telegram.
- Uses LLM to find definitions, synonyms, antonyms, and example sentences.

Build a News Summary App

Project Description: On a daily basis, the system will send a summary of the latest article from a pre-defined website.

Duration: 2024

Technologies: Python, TeleBot, LLM

Main Features:

- Reads data from the predefined website, processes the data, uses LLM to summarize, and sends the content via Telegram.

Train AI Model

Project Description: Train an AI model to recognize and classify documents and articles.

Duration: 2025

Technologies: Python, AI/ML

Main Features:

- Recognizes and classifies documents and articles.