VAN NAM NGUYEN

Software Engineer

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Software Engineer specializing in advanced digitization solutions and AI applications for businesses. I excel at transforming ideas into high-performance AI applications with real-world impact.

I am passionate about technology and innovation. I have extensive experience in software development, project management, and AI/ML applications. My expertise lies in building data processing systems, document digitization, and implementing Large Language Model (LLM) solutions.

KEY ACHIEVEMENTS

- Built AI/ML-powered digitization systems that reduced document processing time by 30% and generated significant cost savings
- Successfully developed 5+ real-world AI/ML applications serving more than 50 users
- Developed an LLM-based search system achieving 85% accuracy

TECHNICAL SKILLS

Programming Languages
Python (3+ years)

AI/ML
OCR, LLM, Llamaindex, LightGBM, NRMS

Database
SQL, MongoDB, Redis, Elasticsearch, Faiss

Backend
FastAPI, REST API

Tools & Infrastructure
Git, Docker, Linux, Cloud, Networking

Design
Figma

Soft Skills
Leadership Problem-solving Project Management Teamwork Communication

PROFESSIONAL EXPERIENCE

Information Systems Manager   2020 - Present

ADDJ Administrative Technology Development JSC

Recommendation System Development

12/2024 - Present

- Developing an intelligent recommendation system based on user behavior
- Technologies: Python, AI/ML, LightGBM, NRMS, Redis, Faiss, MongoDB, Elasticsearch, FastAPI
- KPI: Meeting all project requirements and deliverables

LLM-Based Search System Development

04/2024 - 10/2024

- Built an intelligent search system using LLM for Vietnamese data, serving 50+ users
- Technologies: Python, LLM, OCR, Llamaindex, AI/ML
- KPI: Reduced user search time by 30%

AI Application in Document Digitization

12/2023 - 06/2024

- Developed a system for recognizing and extracting information from paper documents
- Combined LLM with OCR to enhance data extraction quality
- KPI: Reduced document processing time by 30%

Cloud Storage System Implementation

2023

- Deployed NextCloud for company document and data storage, serving 50+ employees
- Managed operations and system troubleshooting
- KPI: Achieved significant cost savings compared to commercial cloud solutions

Task and Equipment Management System

2022

- Built an automated system for project progress tracking, managing nearly 1000 company equipment items across multiple locations nationwide
- KPI: Reduced reporting time by 60%, improved asset management efficiency by 40%, and minimized equipment loss

Intern   2019 - 2020

Fubon Life Insurance Vietnam

Assisted in developing internal applications and participated in software testing processes

PERSONAL PROJECTS

English Learning Application

2024

- Automatically sends new vocabulary words via Telegram daily with phonetics, translations, examples, and usage
- Technologies: Python, TeleBot, LLM
- **Result: Supports vocabulary learning with high consistency**

News Summarization Application

2024

- Automatically summarizes articles from websites using LLM
- Technologies: Python, TeleBot, LLM
- **Result: Saves time in daily news reading, processing 50+ articles/day**

EDUCATION

AI VIET NAM   2023 - Present
AI/ML Engineer

Athena International Network & Security Training Center   2022 - 2023
Network Security, Linux Administration

Hanoi University of Industry   2016 - 2020
Software Engineering

DEVMASTER Technology and Training Institute   2019 - 2020
Java Developer

ABOUT ME

Outside of work, I enjoy participating in activities and technology events to expand my network and learn from the community. I also regularly write about AI/ML on social media platforms and technology websites.