

# 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

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### Information Systems Manager

2020 - 2025

#### ADDJ Administrative Technology Development JSC

##### Recommendation System Development

12/2024 - 2025

- 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

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### 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

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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

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*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.*