

Dong Nguyen

Senior Software Engineer

your.email@example.com
github.com/github.com/yourusername
linkedin.com/in/linkedin.com/in/yourusername

KINH NGHIỆM

Senior Software Engineer

2021 – Present

Current Company

Ho Chi Minh City, Vietnam

- System ownership và architecture design cho logistics integration systems
- Developed IoT-DWS integration solution deployed across 16 sortations
- Led system maintenance and modernization for production environments
- Applied Computer Vision and ML to solve real-world operational problems
- Scrum Master responsibilities — team achieved Scrum Level L3

IoT-DWS Integration System

Tiếp nhận và nhanh chóng làm chủ hệ thống IoT-DWS sau khi thành viên phụ trách trước đó rời project.

- HTTP integration with Signature Header
- HMAC-based request/response security
- RocketMQ integration
- HTTP engine development
- Integration with DWS machines

`Java` `HTTP` `HMAC` `RocketMQ` `DWS`

Giải pháp DWS integration được triển khai cho 16 sortations

16 sortations deployed

AWB Detection / Computer Vision

Tự động phát hiện shipping label / AWB từ hình ảnh được camera trên sortation machine chụp.

- OpenCV image preprocessing
- YOLO-based object detection
- Oriented Bounding Box (OBB)
- ONNX model inference
- OCR pipeline

`Python` `OpenCV` `YOLO` `ONNX` `OCR`

Model được fine-tune cho bài toán AWB detection, xử lý white label trên white package

70,000 images/month processed

System Maintenance & Optimization

Duy trì và hiện đại hóa hệ thống production theo yêu cầu của security/infrastructure team.

- Migration to newer middleware versions
- OSS cleanup and duplicate image removal
- System maintenance automation

`Docker` `Linux` `OSS` `CI/CD`

Giảm OSS storage khoảng 7 GB/month

7 GB/month reduction, 70,000 images/month

KỸ NĂNG

Software Engineering

Java · Go · TypeScript · Distributed Systems · REST APIs · Microservices

Logistics Technology

Sortation · Warehouse / Facility Operations · Package Flow · Operational Intelligence · Facility Modeling

Infrastructure

Docker · Linux · CI/CD · Networking · Middleware

System Architecture

System Design · Integration Architecture · Event-driven Architecture · Message Queues · API Design

AI / ML

Computer Vision · Object Detection · OCR · Model Deployment · LLM · AI-assisted Engineering

Engineering Practices

Agile / Scrum · Technical Documentation · System Maintenance · Performance Optimization · Technical Research

DỰ ÁN

IoT-DWS Integration System

Senior Software Engineer — System Owner

Thiết kế và triển khai hệ thống integration giữa IoT devices và DWS (Dimensioning Weighing Scanning) machines cho 16 sortations.

Java HTTP HMAC RocketMQ DWS

16 sortations deployed

AWB Detection / Computer Vision

Senior Software Engineer — ML Engineering

Ứng dụng Computer Vision và Machine Learning để tự động phát hiện và OCR shipping label từ hình ảnh camera trên sortation.

Python OpenCV YOLO ONNX OCR

70,000 images/month processed

Facility Management Platform

Senior Software Engineer — Platform Design

Xây dựng nền tảng digital twin cho logistics facilities — mô hình hóa facility, theo dõi real-time, và recommendation system.

Go TypeScript Docker Event-driven

Local LLM Experiments

Engineering Experiment

Technical exploration về running local MoE LLMs với llama.cpp — GPU offloading, VRAM optimization, performance tracing.

llama.cpp Qwen MoE Python CUDA

Last updated: 2026-10-12