Trịnh Ngọc Minh

Full Stack Engineer

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Skills

Languages
PHP, Node.js, Python, TypeScript

Frameworks
Laravel, NestJS, FastAPI, Vue.js, React, Next.js

Databases
PostgreSQL, MySQL, MongoDB, Elasticsearch, Redis

AI/ML & DevOps
YOLO, OCR, LLM, RAG, Docker, Linux, Nginx

Employment History

Full Stack Engineer - Digi-Texx VN
Aug 2023 - Mar 2025

Developed backend systems in Python (FastAPI) for OCR processing. Implemented YOLO for ID card detection, reducing processing time by 50%. Managed queue systems for efficient OCR task processing.

Full Stack Developer - MCV Complex
Mar 2022 - Aug 2023

Built APIs for Speedcouple (dating app), Doctornetwork (video app), Kaycut CMS (auto video download/edit), and CLM (contract management). Tech: Laravel, Node.js, MySQL, Elasticsearch, Kafka.

Full Stack Developer - INTREPID
Jun 2021 - Mar 2022

Developed E-commerce Platform with warehouse management, product management, and PO features using Laravel.

Full Stack Developer - TGG
Nov 2020 - Jul 2021

Designed online music teaching platform using Laravel. Built mobile app with React Native.

Full Stack Developer - Data Mart
2019 - Jul 2020

Developed E-commerce Platform with microservices architecture using Laravel, MySQL, Elasticsearch, Redis.

System Engineer - VnExpress.vn
Apr 2019 - Sep 2019

Configured Linux servers, system monitoring (Cacti, PRTG), firewall (IPTables, PFSense), log management (Elastic, Kibana).

Web Developer - Nhua Dang Gia Co., LTD
2018 - Mar 2019

Built frontend with HTML, Bootstrap, JavaScript, jQuery. Backend with PHP. PSD to HTML conversion.

System Engineer - MobileEntertainment Corporation
May 2017 - Jul 2018

Linux system administration, load balancing (Nginx, Keepalived), database clustering (MySQL, MongoDB), monitoring and backup.

IT Specialist - Dai Dung Metallic Manufacture Construction Corp
Mar 2012 - May 2017

Built and maintained IT systems for 3 branches and 1 Datacenter. Managed Active Directory, servers (Bravo, 1C, HRM), IT helpdesk.

Personal Projects

scala.vn - SaaS education center management: students, schedules, tuition, auto WhatsApp/Zalo notifications. Multi-tenant.

NestJS, Vue 3, PostgreSQL, Redis

apollo-green.com - E-commerce platform for organic products with inventory and payment integration.

Laravel, Botble CMS, MySQL

type.scala.vn - Typing practice application with real-time WPM tracking and custom lesson builder.

React, TypeScript, Firebase

Coluan Chatbot - Multi-platform AI chatbot for loan support & medical analysis. RAG knowledge base, Telegram bot, live voice.

Next.js 16, Gemini AI, pgvector, Telegram

BHHV Insurance Portal - Vehicle insurance contract management with real-time premium calculation and BHV integration.

Next.js 15, React 19, MongoDB, JWT

Education

Ho Chi Minh City University of Information Technology   2007 - 2012