

NGUYEN CONG DANH

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer · 7+ years · Backend-heavy full-stack · AI-augmented delivery (Claude Code · Claude Kit · Claude Cowork · Cursor)

Versatile engineer shipping production systems across **PHP/Laravel, Node.js (NestJS, Express), Python (FastAPI)**, and modern **React/Next.js**. Hands-on with AI/ML integration, AWS, observability (OpenTelemetry), and microservice migrations. Track record: high-traffic SaaS for **32K+ stores**, AI-powered recruitment platforms with **85% CV-parse accuracy**, loyalty systems with OCR/NLP, and **30+ enterprise CMS** builds. Equally comfortable architecting, reviewing 100% of team PRs, and pairing daily with AI coding tools to ship 2–3× faster. Open to contract, freelance, and part-time engagements.

CORE TECHNICAL SKILLS

- **Languages:** PHP · JavaScript · TypeScript · Python · HTML5 · CSS3/SCSS · SQL · Liquid (Shopify)
- **Backend:** Laravel · CodeIgniter · NestJS · Express.js · Remix · FastAPI
- **Frontend:** React.js · Next.js · Alpine.js · Liquid (Shopify themes)
- **CMS & eCommerce:** WordPress · WooCommerce · Webflow · Shopify (Apps + Themes) · Strapi
- **Architecture:** Microservices · Event-driven systems · Multi-tenant SaaS · REST & GraphQL · Queue-based (BullMQ, Celery, SQS)
- **Databases & Caching:** PostgreSQL · MySQL · SQL Server · Redis · Prisma · Eloquent · SQLAlchemy
- **DevOps & Cloud:** Docker · AWS (EC2, RDS, S3, SES, ELB, SQS, Auto Scaling) · GitHub Actions · CI/CD · Dokploy · MinIO
- **Observability:** OpenTelemetry · Distributed tracing · Performance monitoring · Centralized logging
- **AI & Automation:** OCR (Google Cloud Vision) · NLP · AI-powered CV parsing · Image processing (Puppeteer, Pillow) · Webhooks · Background workers
- **AI-Augmented Workflow:** Claude Code · Claude Kit · Claude Cowork · Cursor · GitHub Copilot — daily use for code generation, refactoring, code review, automation, and test scaffolding
- **Project & Team:** Team leadership (up to 20 engineers) · Code review (BE + FE) · Agile/Scrum · Technical documentation · Client communication

PROFESSIONAL EXPERIENCE

Senior Backend Engineer — Apps Cyclone

Aug 2021 – Present

Tech: Laravel, Node.js, NestJS, Python, Remix, React, AWS, Redis, BullMQ, MySQL · **AI tools:** Claude Code, Claude Kit, Claude Cowork, Cursor

- Architected and maintain **6 production Shopify apps** serving **32K+ stores** with **99.9% uptime** across a 20-person engineering team
- **Lead code reviewer** for all Backend and Frontend pull requests — ensuring code quality, architectural consistency, and security
- Built Python-based image processing and OCR microservices for automated content generation and data extraction
 - **Amai Preorder Manager** — 9,099 installs · 500K webhooks/day · 0.374s avg response
 - **Amai Bulk Discounts** — 4,063 installs · 150K webhooks/day · 0.5s avg response

- **Amai Upsell+ Volume Discounts** — 4,100 installs · 20K webhooks/day · 0.22s avg response
- **Amai Urgency+ FOMO** — 11,081 installs · 20K webhooks/day · 0.392s avg response
- **Amai Bulk Discount Codes** — 813 installs · 7K webhooks/day · 0.305s avg response
- **Amai COD** — 201 installs · 3.5K webhooks/day · 0.196s avg response
- Led migration from monolith to event-driven microservices using NestJS + BullMQ, reducing P99 latency by **40%** and enabling horizontal scaling
- Built high-concurrency image generation microservice (Node.js + Puppeteer + S3) handling **50K+ requests/day** with auto-scaling
- Integrated AWS SES email pipeline processing **10K+ transactional emails/day** with **99.5% delivery rate**
- Developed affiliate data sync system (NestJS + Strapi + BullMQ) automating **100K+ product updates/day** from Awin API with smart caching
- Adopted **Claude Code, Claude Kit, Claude Cowork, and Cursor** across the team for AI-pair-programming, automation, and code review — accelerating feature delivery and standardizing quality

FREELANCE & SIDE PROJECTS

Loyalty Platform — TapTap

2025

Tech: Python FastAPI, PostgreSQL, Redis, Celery, OpenTelemetry, Google Cloud Vision, Docker · **AI tools:** Claude Code, Claude Kit, Claude Cowork, Cursor

- Built FastAPI backend with **OCR invoice processing** (Google Cloud Vision) and Vietnamese NLP for content analysis
- Architected event-driven system using Celery + Redis for background tasks — handling **50K+ async jobs/day** with **99.8% success rate**
- Used Claude Code to scaffold service modules and Cursor for in-IDE refactors, cutting feature lead-time by ~40%

Recruitment Platform — VMC Works

2024

Tech: Laravel, FastAPI, PostgreSQL, Redis, Docker, OpenTelemetry · **AI tools:** Claude Code, Claude Kit, Claude Cowork, Cursor

- Built full-stack recruitment platform connecting job seekers, companies, and headhunters — Laravel backend + FastAPI AI services
- Developed **AI-powered CV parsing** with NLP-based extraction, scoring candidates across **15+ criteria with 85% accuracy**
- Implemented auto-match recommendation engine reducing manual screening time by **70%**
- Set up OpenTelemetry stack for distributed tracing, reducing debugging time by **60%**
- Leveraged Claude Code for ML-prompt iteration and Cursor for backend boilerplate, halving initial spike-to-MVP time

Invoice Analysis System — MIAS

2024

Tech: NestJS, Prisma, PostgreSQL, Redis, Docker, MinIO · **AI tools:** Claude Code, Claude Kit, Claude Cowork, Cursor

- Developed NestJS + Prisma backend with **AI-assisted invoice extraction** and mapping for **MISA ERP** integration
- Designed file storage pipeline using MinIO for scalable document management
- Used Claude Kit prompts to generate Prisma schemas and DTO validation, with Cursor handling repetitive controller scaffolding

EARLIER EXPERIENCE

Project Manager / Senior Developer — Patient Honey

Aug 2020 – Aug 2021

Tech: WordPress, WooCommerce, Webflow, PHP

- Led full-cycle eCommerce projects for healthcare clients — managing **5+ concurrent builds**
- Built reusable component library reducing development time by **50%** across WordPress/Webflow templates

Senior Developer / Team Lead — EntrePid Advisors

May 2019 – Aug 2020

Tech: PHP, Laravel, MySQL, CI/CD

- Led 4-person backend team for hospital management system serving **10K+ daily users**
- Migrated monolith to microservices and automated CI/CD — reducing deployment time from **2 hours to 15 minutes**

Full Stack Developer — Razona Vietnam

Aug 2015 – Apr 2019

Tech: PHP, WordPress, MySQL, HTML5/CSS3, JavaScript

- Delivered **30+ enterprise CMS solutions** for Aeon Delight, Vinacompass, L'Oréal, Panasonic, Toshiba, JAL, Coleman

EDUCATION & CERTIFICATIONS

Bachelor of Science in Information Technology — University of Information Technology (Graduated 2017)

- Google Cloud Digital Leader Certification (2025)
- TOEIC 850 (2017)