

NGO DUY HOANG LONG

SOFTWARE ENGINEER - FULLSTACK DEVELOPER

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📍 Ho Chi Minh City

🔗 hlong-dev



"Full-stack developer with 2+ years of experience building enterprise systems in fintech and HR domains. Experienced in designing scalable backend services using ASP.NET Core, Spring Boot, and Ruby on Rails, and developing modern frontend applications with React and Next.js. Skilled in cloud deployment, Docker containerization, and microservices architecture."

SKILLS

C# Java Ruby React Python TypeScript Next.js AWS Azure Docker

WORK EXPERIENCE

Full Stack Developer

Donuts Co., Ltd. (株式会社Donuts)

📅 05/2025 – Present

📍 Ho Chi Minh

Jobcan Payroll Management – Vietnam (Cross-functional Team of 5)

- Designed and implemented Vietnam Personal Income Tax declaration system (Form 05/KK-TNCN – monthly withholding, Form 05/QT-TNCN – year-end finalization), handling income aggregation, deduction rules, payroll-tax reconciliation, and multi-branch reporting for enterprises with **1,500+ employees**..
- Built full-stack workflows for creating, listing, searching, validating, and exporting tax declarations using Ruby on Rails (RESTful APIs, service objects, Pundit authorization) and React/Redux (redux-form) on the frontend.
- Provisioned AWS infrastructure using **Terraform** (SQS, IAM, compute, networking).
- Built asynchronous processing pipelines using **Shoryuken** and **Amazon SQS**; leveraged **ElasticMQ** for local queue emulation to support development and integration testing.
- Containerized application services with Docker and implemented CI/CD pipelines using CircleCI for automated build, unit test.

Enterprise Web Ecosystem: Donuts Corporate & Jobcan Product Suite (Team Lead)

- Led a 3-member engineering team using **Agile/Scrum** methodologies through the full SDLC, delivering scalable **TypeScript** solutions based on Japanese business requirements.
- Architected automated CI/CD pipelines and hosting using **AWS Amplify** for **Next.js** applications, enabling secure, zero-downtime releases.
- Optimized performance using **Next.js** (SSR/SSG) and advanced caching, significantly reducing page load times and improving SEO metrics.
- Mentored fresher engineers via rigorous code reviews and technical training, boosting team sprint velocity and independent problem-solving.

Ruby on Rails Next.js Microservices AWS TerraForm

Remote Outsourcing (Freelance)

Bach Tuong Phat Trading Investment JSC

📅 01/11/2024 – Ongoing

📍 Ha Noi

- Independently developed Supermetric, a custom e-commerce analytics platform using ASP.NET and a microservices architecture to aggregate and visualize monthly sales data from multiple platforms (Shopee, TikTok, Dien May Xanh)
- Developed robust **Python** web scraping pipelines to automate data extraction, leveraging the collected datasets to train **AI models** for advanced business insights.
- Designed and deployed the end-to-end data processing workflows and full-stack application architecture on **Azure Cloud** Virtual Machines.

C#/.NET Core Python Web Scraping AI Training Azure Cloud Microservices

Full Stack Developer

Beehexa Corporation

📅 12/12/2023 – 30/04/2025

📍 Ho Chi Minh

Social Media Platform Project (Cross-functional Team of 5)

- Engineered a scalable backend utilizing **C# Microservices**, implementing RESTful APIs and asynchronous event-driven communication via **RabbitMQ**.
- Designed the social graph architecture using **Neo4j** for optimized relationship querying, alongside **SignalR** for real-time chat and notifications.
- Containerized the ecosystem with **Docker** and deployed to **Azure Cloud** (App Services, SQL Database, ACR), ensuring high availability.
- Automated build, test, and deployment workflows by establishing CI/CD pipelines via **CircleCI**.

HexaSync Integration Platform

- Configured automated data synchronization workflows across distributed business systems (ERP, CRM, POS) utilizing the HexaSync platform.
- Monitored and optimized data pipeline performance to ensure seamless, real-time system integration.
- 🌐 <https://www.hexasync.vn>

C#/.NET Core Neo4j RabbitMQ Microservices Azure Cloud

PERSONAL PROJECTS

CineMate - Collaborative Streaming Platform

Personal Project

- Engineered a real-time video watching application with synchronized playback for remote teams.
- Implemented low-latency streaming using QUIC protocol, reducing network interruptions by 60%.
- Developed scalable microservices architecture using Java and Azure cloud.
- Designed cross-platform integration allowing synchronized playback from local files, YouTube, Netflix, and other streaming platforms.
- Created a WebRTC-based chat system with video conferencing capabilities for enhanced collaboration during viewing sessions.
- Implemented a custom synchronization algorithm maintaining <50ms playback difference across all connected clients.
- Utilized RabbitMQ for efficient message queuing and asynchronous processing.
- Implemented analytics dashboard tracking user engagement and system performance metrics.
- 🔄 [hlong-dev/cinemat](#)
- 🌐 [cinemat.website](#)

Spring Boot Microservices

CERTIFICATIONS

- 🌟 **English Proficiency**
CEFR B2 Level
- 👥 **Agile Methodology**
Professional Scrum Master (PSM I)
- 📦 **Cloud Computing**
AWS Certified Cloud Practitioner (In Progress)

EDUCATION

- B.S. in Software Engineering**
Ho Chi Minh City University of Technology
📅 Sept 2021 – Jan 2025
 - GPA: 3.22/4.0
 - Achieved perfect 4.0 GPA for one semester, ranking among the top 20 students out of 4,000 for that term