

NGUYEN LE HOANG

Senior Software Engineer

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LINKS

[Website](#), [Linkedin](#), [Github](#)

PROFILE

7+ years of experience building scalable backend systems using PHP, Node.js, Golang, and Python. Led a team of 6 engineers to develop and scale high-performance Shopify applications, with a strong focus on performance optimization and infrastructure cost efficiency. Experienced in designing internal platforms and data systems to support business growth. Highly motivated by solving complex problems, improving system reliability, and mentoring engineers.

KEY STRENGTHS

- *Designed and scaled production systems from 0 to 5,000+ users and 10M+ of daily records*
- *Strong ownership in system architecture, data modeling, and infrastructure cost optimization*
- *Hands-on technical leader with experience leading a 6-engineer team*
- *Deep experience in ecommerce platforms, data synchronization, and AI-powered products*
- *Recognized as Outstanding Employee 4 times, including 3 consecutive years, for technical leadership and delivery impact.*

SKILLS

- ❖ **Core Expertise**
 - Backend & Distributed Systems: Microservices, Event-driven Architecture, API Gateway, Async Processing
 - Ecommerce Platforms: Shopify, Google Shopping, Facebook Catalog, Multi-channel Sync
- ❖ **Languages**
 - PHP (Laravel), Node.js, Golang, Python
- ❖ **Data & Infra**
 - Databases: PostgreSQL, MongoDB
 - Caching & Messaging: Redis, RabbitMQ
 - Cloud & DevOps: AWS, Kubernetes, Docker, CI/CD
- ❖ **AI & Computer Vision**
 - LangGraph, Azure Cognitive Services, OpenCV, Lama

EMPLOYMENT HISTORY

- ❖ **Senior Software Engineer, FireGroup Technology** Oct 2019 — Present
- Promer – AI Application Ecosystem** (<https://promer.ai/>)
Early 2025 – End 2025

- Acted as technical leader for a team of **6 engineers**, remaining hands-on while guiding architecture and technical decisions.
- Designed and implemented a **microservices architecture** using **PHP, Node.js, Python, and Golang**, enabling independent scaling of multiple applications.
- Designed asynchronous communication between microservices using RabbitMQ, improving system decoupling, reliability, and scalability.
- Architected a shared **API Gateway** with rate limiting, logging, and middleware, along with a **centralized billing system** used across products.
- Contributed to AI-powered features by designing **agents and workflows** using **LangGraph**.
- Built an advanced **Image Editor module**, integrating **Azure Text Detection, OpenCV, and LaMa Inpainting** to deliver Canva-like editing capabilities.
- Introduced **AI-assisted development workflows**, doubling team productivity in coding and prototyping, enabling faster market validation.

FeedHub – Google Shopping Feed Platform (<https://onecommerce.io/feedhub/>)

2019 – 2022

- Designed and owned the system architecture from the ground up for a Shopify-based Google Shopping Feed platform, built with **Laravel, PostgreSQL, Redis**, and deployed on **AWS with Kubernetes**.
- Integrated and maintained high-volume APIs including **Shopify, BigCommerce, Google Shopping, Facebook Catalog, and TikTok Catalog**.
- Scaled the platform to support **5,000+ active users** and **10M+ of product records synced daily**, requiring major architectural evolution.
- Redesigned the data layer by combining **PostgreSQL and MongoDB**, applying **partitioning and read replicas** to ensure performance and reliability at scale.
- Worked closely with **Product and Customer Support teams** to understand customer pain points and deliver fast, reliable technical solutions.
- After achieving product–market fit, led infrastructure optimization efforts, migrating storage from **AWS S3 to DigitalOcean Spaces** and reducing background job load, resulting in **35–40% infrastructure cost savings**.

Internal Systems & Data Platform

Mid 2024 – End 2024

- Led the design and development of internal systems to automate workflows across **Customer Support, Marketing, and Product** teams.
- Analyzed existing manual processes, proposed optimized workflows, and implemented automation to eliminate repetitive tasks.
- Reduced manual operational effort by approximately **40%**, significantly improving productivity and cross-team collaboration.
- Partnered with the **Data Science team** to build a centralized data collection system, enabling actionable metrics and data-driven product decisions.

Omnisell – Multi-Channel Ecommerce Sync (<https://onecommerce.io/omnisell/>)

Early 2023 – Mid 2024

- Built core features enabling **one-click, real-time synchronization** of products from Shopify to **Etsy, eBay, and Amazon**.
- Designed synchronization mechanisms to ensure **data consistency and reliability** across multiple ecommerce platforms.
- Solved complex challenges involving **third-party APIs, rate limits, and real-time data propagation**.

Shopify App Operations & Scaling

Mid 2025 – End 2025

- Owned and maintained stable, revenue-generating Shopify applications ([FeedHub](#), [SocialWidget](#), [OnePixel](#)), ensuring scalability and production reliability.
- Strengthened hands-on experience in microservices operations and Kubernetes-based systems.

♣ **Junior Software Engineer, FUJINET SYSTEMS JSC** Apr 2018 — Aug 2019

NHK – Personnel Information System

Jun 2019 – Aug 2019

- Developed and maintained functional modules for a personnel information system managing employee schedules, workplaces, and business-trip accommodations.
- Implemented new features and fixed application defects based on evolving business requirements.

Fooding Journal – Restaurant Management System

Jul 2018 – Mar 2019

- Migrated a large-scale restaurant management system from **Adobe Flex 3** to **Angular 4**.
- Refactored legacy UI components and implemented new features using modern frontend technologies.

EDUCATION

❖ **FPT Polytechnic** Jan 2015 — Aug 2017
Application software

LANGUAGES

English *Very good command*