

Nguyen Le Hoang

Software Engineering Team Lead

I design AI agent workflows and the cloud infra they run on.

0989 007 595 · lehoangnnx@gmail.com · lehoangnnx.com · github.com/lehoangnnx · linkedin.com/in/lehoangnnx ·
Ho Chi Minh City, VN

PROFILE

Right now, I'm building the cloud infrastructure behind AI agents at TryOpenClaw.io and ClawExperts.com — platforms that let anyone deploy and run OpenClaw AI agents in under two minutes, with zero setup. Most of my day goes into problems nobody's written a tutorial for yet: agent isolation, cost control, and keeping things running 24/7 without someone babysitting a terminal. I got here after 7+ years building backend systems for e-commerce, most of it as Software Engineering Team Lead at fireapps.io — designing for the failure cases, not just the happy path, and building systems that hold up once real users start hammering on them.

KEY STRENGTHS

- › Leading cloud infrastructure for AI agent deployment — under 2-minute setup, connecting 1,000+ apps
- › Designed and scaled production systems from 0 to 5,000+ users and 10M+ daily records
- › Cut infrastructure costs 35–40% by redesigning the data layer and migrating providers
- › Hands-on technical leader — led a 6-engineer team while staying close to the architecture and code
- › Recognized as Outstanding Employee 4 times (3 consecutive) for technical leadership and delivery impact

SKILLS

Cloud & Infra	OpenClaw, Kubernetes, Docker, AWS, CI/CD
Core Expertise	Microservices, Event-driven Architecture, API Gateway, Async Processing
Languages	Golang, PHP (Laravel), Node.js, Python
Data & Messaging	PostgreSQL, MongoDB, Redis, RabbitMQ
Ecommerce	Shopify, Google Shopping, Facebook Catalog, Multi-channel Sync
AI & Vision	LangGraph, Azure Cognitive Services, OpenCV, LaMa

EMPLOYMENT HISTORY

Software Engineering Team Lead · fireapps.io Oct 2019 — Present

TryOpenClaw.io & ClawExperts.com — AI Agent Cloud Infrastructure CURRENT 2025 – Present

- Leading development of cloud platforms that deploy and run OpenClaw AI agents in under 2 minutes with zero setup — now connecting 1,000+ apps for workflow automation
- Solving problems with no existing playbook: agent isolation, cost control, and 24/7 reliability without manual babysitting
- Architecting the underlying infrastructure (Kubernetes, Docker, Golang, AWS) to keep agents running reliably under real production load

Promer – AI Application Ecosystem 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
- Added RabbitMQ-based async messaging between services, decoupling them for independent scaling and cleaner failure isolation
- Architectured 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 across the team, roughly doubling coding and prototyping speed

FeedHub – Google Shopping Feed Platform

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 5,000+ active users and 10M+ product records synced daily
- Redesigned the data layer — PostgreSQL plus MongoDB, with partitioning and read replicas — to keep query performance flat as volume grew
- Partnered with Product and Customer Support to prioritize fixes around real customer pain points
- Once the product found its footing, led a cost pass — moved storage from AWS S3 to DigitalOcean Spaces and cut background job load, saving 35–40% on infrastructure

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
- Cut manual operational effort by about 40%
- Partnered with Data Science to build a centralized data collection system that replaced ad-hoc spreadsheets for product metrics

Omnisell – Multi-Channel Ecommerce Sync

Early 2023 – Mid 2024

- Built one-click, real-time product sync from Shopify to Etsy, eBay, and Amazon
- Handled each platform's own rate limits, API quirks, and propagation delays so listings stayed consistent without manual reconciliation

Shopify App Operations & Scaling

Mid 2025 – End 2025

- Kept three revenue-generating Shopify apps — FeedHub, SocialWidget, OnePixel — stable under production load
- Day-to-day work here was mostly microservices operations and Kubernetes

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 — Application Software, graduated with Distinction

Jan 2015 — Aug 2017

LANGUAGES

English

Very good command