Nhat Linh NGUYEN

AIOps & MLOps Engineer | LLM Agents | AI-Assisted Development

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Paris, France – Open to relocation to Singapore – Graduating Sept 2027, available from Sept 2027

SKILLS

AI Agents and LLMs: Retrieval-Augmented Generation (RAG), Model Context Protocol (MCP), tool calling, multi-step agent orchestration, prompt and context engineering, code knowledge graphs, hybrid vector search

AI Coding: Claude Code (task decomposition, code generation, validation gates, human review)

DevOps and Infrastructure: Docker, Kubernetes, CI/CD, Git, Linux, DuckDB, Elasticsearch, MySQL, Redis, MinIO

Languages: Python, TypeScript, JavaScript, Go, C#, Dart, Java, C++, PHP, SQL

Frameworks: React, Next.js, Node.js, Astro, React Native, Flutter, Tauri, TanStack, Better Auth, Unity

Spoken Languages: Vietnamese (native), French (DELF B2), English (B1)

EXPERIENCE

GE HealthCare – Buc, France

DevOps and MLOps Engineer (Apprentice) **Mar 2026 – Present**

- Deployed a self-hosted enterprise RAG platform for a global medical technology company, giving employees source-cited chat answers over internal technical documentation with all data kept on-premises
- Configured a document-understanding ingestion pipeline (layout analysis, OCR, table extraction, chunking, embedding, hybrid vector and keyword search) to ground LLM answers in complex PDFs
- Deployed a code knowledge graph that indexes repositories (files, definitions, cross-file references) into DuckDB and serves it to AI coding agents as MCP tools
- Let agents query call graphs with read-only SQL instead of crawling files, keeping code local
- Containerized and orchestrated the retrieval stack (RAG engine, search index, object storage, database, cache) with Docker and Kubernetes to deliver a reproducible, production-ready deployment
- Automated releases with CI/CD pipelines and documented the architecture for IT and security stakeholders

Technologies: *Python, Docker, Kubernetes, CI/CD, LLM APIs, RAG, MCP, DuckDB, Elasticsearch, MySQL, Redis, MinIO*

Software Engineer (Apprentice) **Sept 2024 – Mar 2026**

- Developed and maintained TypeScript applications in an Agile team using Git-based code review

Full-Stack Developer (Apprentice), Viséo – France **Sept 2023 – Aug 2024**

- Migrated a production mobile app from React Native to Flutter, keeping core features and redesigning the UI
- Maintained and shipped new features for an enterprise Windows desktop application built on UWP

PROJECTS

Discord Agentic Orchestrator – TypeScript, Claude Code, Discord API **2026**

- Built an end-to-end AI coding pipeline: a Discord thread (bug report or feature request) becomes a Claude Code task that plans, edits code, and commits on an isolated Git branch
- Added automated validation gates (dependency install, TypeScript type-check) that must pass before a change is reported back, catching broken agent output before human review
- Designed a versioned human-in-the-loop feedback loop so reviewers can request fixes in the same thread, trading full autonomy for predictable, reviewable delivery

KubeLearning – Astro, Go, Kubernetes, Docker **2026**

- Built a Kubernetes learning platform whose Go backend provisions a browser terminal in 1 click
- Designed break-and-fix labs where learners diagnose and repair failing cluster resources

EDUCATION

EPITA – School of Engineering and Computer Science – Paris, France **Expected Sept 2027**

Diplôme d'Ingénieur (Master of Engineering) in Computer Science, work-study program

Université Paris-Saclay, IUT d'Orsay – Orsay, France **2024**

Bachelor of Technology (BUT) in Computer Science, Application Development track