

Hong Anh Pham

Software Engineer

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Experience

Co-founder, Founding Software Engineer Clearly December 2025 - Present

GPU compute orchestration platform (SaaS)

- Built provisioning and storage services from the ground up, enabling scalable distribution of GPU resources to consumers.
- Translated technical capabilities into investor and customer pitch decks, driving early customer conversations and competitive positioning.
- Led customer discovery through requirement gathering sessions, feedback interviews, and usage pattern analysis.

Software Engineer NashTech December 2025 - Present

FX trading and risk management platform (SaaS)

- Designed backend services handling high-throughput pricing and search operations with sub-second latency targets.
- Refined API contracts with onshore teams, reducing redundant service calls and improving system reliability.

Software Engineer NashTech April 2024 - November 2025

Software Development Engineer in Test NashTech January 2023 - April 2024

Operational data management platform for UK energy providers (SaaS)

- Enhanced backend services and data queries to optimize response time for high-volume search operations.
- Diagnosed performance bottlenecks using profiling tools and rewrote data-processing logic.
- Collaborated with the onshore team to streamline API behavior and reduce unnecessary external service calls.
- Transformed the automated testing suite from partial coverage to full end-to-end automation.
- Integrated automated tests with Azure DevOps CI/CD pipelines to ensure quality gates on every build.
- **Achievements:**
 - Reduced search latency from **~15s to ~5s** through optimized algorithms in C# and SQL tuning, improving user experience across the platform.
 - **Migrated microservices from .NET 6 to .NET 8**, modernizing the service stack and improving runtime performance and maintainability.
 - Increased automation coverage from **30% to 100%**, cutting manual verification time and raising deployment confidence.
 - Lowered external dependency overhead, increasing system stability and reducing API timeout incidents.

Senior IELTS Mentor IPP IELTS January 2021 - December 2022

IELTS Mentor IPP IELTS April 2019 - January 2021

- Delivered group lessons and workshops across proficiency levels, from foundational skills to advanced test strategies.
- Guided 50+ students to achieve IELTS scores of 6.0 or higher, aligning with academic and immigration benchmarks.

Skills

Programming Languages: Go, C#, SQL, JavaScript / TypeScript, Java, Python, C, Bash

Infrastructure: Docker, Kubernetes, Helm, Nginx, Tailscale, Prometheus, Grafana, Loki, Linux, Windows

Frameworks & Runtime: .NET, Spring Boot, Next.js, React, Angular, Node.js

Databases & Messaging: PostgreSQL, MySQL, SQL Server, Redis, RabbitMQ

Cloud: AWS, Azure, GCP

Proficiencies: End-to-end system development, Debugging, Performance Optimization, CI/CD pipelines, Monitoring & Observability, Design principles and typography

Languages: English (Bilingual), Vietnamese (Native), German (Beginner), Mandarin (Beginner)

Projects

tinker: CLI-based AI coding agent built from scratch in Go

s8: General-purpose partially-evaluated programming language built from scratch in Go, featuring a hand-written lexer, parser, interpreter, and compiler

smolkafka: A Kafka-like log streaming system built from scratch in Go, implementing leader election and log replication via the Raft consensus algorithm. Deployed on Google Kubernetes Engine.

smolredis: Lightweight Redis clone to understand networking and data structures.

Greenlight: Monolithic web application with core components using pure Go with minimal dependencies

Homelab (*private*): Self-hosted media streaming server with Plex on Kubernetes, using Nginx as a reverse proxy and Tailscale for secure remote access. Monitored with Prometheus, Grafana, and Loki for log aggregation.

Education

University of Languages and International Studies

Hanoi, Vietnam

B.A. (Hons) in English Language Teacher Education

2018 - 2022

Certifications

- IELTS (Band 7.5)