

LAM LE

+84 945 29 30 31 [✉ nganlamforwork@gmail.com](mailto:nganlamforwork@gmail.com) [in/nganlamleву](https://www.linkedin.com/in/nganlamleву) github.com/nganlamforwork [Portfolio](#)

EXPERIENCE

MoMo (M_Service)

Aug 2025 – Present

Software Engineer Trainee (Talented Scope)

Ho Chi Minh City, Vietnam

- Engineer high-traffic backend systems for Vietnam's largest e-wallet (**31M+ users**), focusing on **Promotion Platform** and **Loyalty** core infrastructure.
- Manage the **Effect Processor** mediating high-RPS traffic for **reward distribution** (cashback, coins, vouchers); developed comprehensive **Starrock** monitoring and **tracking tools** to ensure zero error leakage.
- Developed a resilient **Recompense Request** processor for **100k+** failures; implemented **Rate Limiting** (10 rps) and **Idempotent retry logic** with crash recovery to ensure 100% reliability and zero duplicate payouts.
- Owned the **Cosmos Event Reminder Service**; optimized triggers to handle **1000 rps** with sub-10s latency accuracy.
- **Technologies:** Kotlin, Kafka, Redis, Starrock, Grafana, PostgreSQL, MongoDB

TecAlliance

May 2024 – Oct 2024

Full-stack Developer Intern

Germany (Remote)

- Contributed to the development of an **Automotive Parts Ordering** system, handling identification and fulfillment modules.
- Developed and owned an **Offline-to-Online Sync Service** to automate **customer account creation** by synchronizing lead data from offline marketing campaigns.
- **Technologies:** C#, .NET Core, ASP.NET, SQL Server, REST API

PROJECTS

Mini Database-like [🔗](#) (Personal) - Golang

Dec 2025 – Jan 2026

- Engineered a **B+Tree Database** featuring thread-safe **Concurrent Access**, **ACID** transactions via **WAL**, and a configurable **LRU Page Cache**.
- Supports **Full CRUD** and Range Queries, integrated with a **Frontend Visualizer** to facilitate **knowledge sharing** and demonstrate internal engine mechanics.

Mini Kafka-like [🔗](#) (Personal) - Golang

Aug 2023 – Sep 2023

- Developed a distributed broker with a **custom binary protocol**, **Topic partitioning**, and **segment persistence**.
- Implemented **Consumer Groups** with **automatic rebalancing** and offset commits for parallel processing.

Enginuity [🔗](#) (Personal) - Java/Next.js

Dec 2023 – Present

- **Vocabulary Mastery:** 3-phase **CAM Method** (Discovery, Contextualization, Production) with **AI feedback**.
- **IELTS Speaking & Writing Simulation:** Full-length Speaking mock tests in typing mode and dual-mode Writing Feedback with band scoring using **LLM**.
- **LLM Usage:** **BYOK Model** with a detailed **AI token tracking** dashboard.
- **Technologies:** Java Spring Boot, Next.js, PostgreSQL, MongoDB, Google Gemini AI, Cloudflare

HONORS & AWARDS

Honorable Mention, National Olympiad in Informatics

Jan 2021

Data structures & Algorithms, Competitive Programming, C++

Ministry of Education & Training

First Prize, City-level Olympiad in Informatics, 2021 & 2020

Mar 2021 & Mar 2020

Data structures & Algorithms, Competitive Programming, C++

Ministry of Education & Training

Honorable Mention Prize, The ICPC Vietnam National Programming Contest

Nov 2020

Data structures & Algorithms, Competitive Programming, C++

ICPC Foundation

EDUCATION

University of Science - Vietnam National University

Sep 2021 – Dec 2025

Bachelor of Informatics Technology - Software Engineering (Honors Major)

GPA: **3.71/4.00**

Le Hong Phong High School For The Gifted

Sep 2018 – June 2021

Informatics Honors Class