

# Bui Chi Trung

Location: Ha Noi, Viet Nam

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[LinkedIn](#) | [GitHub](#)

## SOFTWARE ENGINEER

I am a software engineer with over 2 years of experience. I have worked with various languages including **Go**, Python, PHP, and JavaScript. I have experience in managing large-scale projects and optimizing processes for parallel execution across multiple threads and nodes. My expertise extends to both REST and **gRPC** APIs.

## EXPERIENCE

### GPU Software Engineer

Moreh

December 2023 – Present

Ha Noi, Viet Nam

- Utilizing components of GPUs specialized for AI applications to implement and optimize various artificial neural network layers using CUDA, HIP.
- Parallelized AI model inference process using multiple threads, multiple GPUs, including GPUs distributed across different nodes, utilizing various techniques such as data parallelism and pipeline parallelism,...
- Project: Optimize an inference serving system with Llama-2 using multiple GPUs. Achieved throughput on 13 billion parameters model: **245 tokens/s**, equal to the state-of-the-art library for LLM inference - [vLLM](#).
- Obtained skills: C++, CUDA, HIP

### Backend Developer

Teko Viet Nam

Aug 2022 – December 2023

Ha Noi, Viet Nam

- Fork Superset, an open-source platform for data exploration and visualization to customize authentication and authorization using Single Sign-On (SSO) flow. This enables seamless integration of Superset into Teko products.
- Develop and operate a service that stores data for over **50 million** users, capturing details such as transaction amounts and their most recent transactions, along with their online behavior including page views and interactions with commercial banners in **nearly real-time**. Leveraging this data, we automatically categorize customers and implement tailored marketing campaigns for each customer segment.
- Obtained skills: Go, gRPC, Microservices, Column-oriented database, React.

### DevOps Internship

Worldquant

Apr 2022 – Jun 2022

Ha Noi, Viet Nam

- Develop a service that controls google cloud platform instances used to execute quantive algorithms.
- Obtained skills: Python, Linux.

## EDUCATION

### University of Engineer and Technology

Major: Infomation Technology. GPA: 3,84

Jul 2019 – Sep 2023

Ha Noi, Viet Nam

**Programming** : Fourth prize in Vietnam National Olympiad in Informatics - VNOI 2018

**English** : 900 TOEIC, 7.5 VSTEP

## TECHNICAL SKILLS

**Languages** : Golang, C++, Java, Javascript, Python, PHP.

**Frameworks** : React.js, Vue, Laravel, Flask.

**Databases** : MySQL, Redis.

**Dev Tools** : gRPC, Docker, Git, Grafana.

## PROJECTS

### Personal project

Golang, Redis, PostgreSQL.

[Source Code](#)

A custom plugin that can be integrated with Kong API Gateway to parse, build the Abstract Syntax Tree then cache GraphQL request routing through Kong API Gateway using Redis. Prometheus & Loki are integrated to manage the plugin state and log.