

# Ta Quang Tung

SOFTWARE ENGINEER

Le Thanh Nghi Street, Hai Ba Trung District, Ha Noi

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## Education

### Hanoi University of Science and Technology

Ha Noi, Vietnam

GIFTED STUDENT TRAINING PROGRAM (KSTN), BACHELOR OF COMPUTER SCIENCE

August. 2015 - 2020

- GPA: 3.52/4.0

## Skills

<b>Programming</b>	Go, Python, C++14, Java, JavaScript, Rust, Elixir
<b>Web</b>	Go gRPC & gRPC Gateway, Phoenix with Elixir, ReactJS frontend
<b>Databases</b>	MySQL, Memcached, Elasticsearch, Redis, PostgreSQL, etcd
<b>Languages</b>	Vietnamese (Mother tongue), English (Intermediate)
<b>Other Skills</b>	CI/CD, Docker, Kubernetes, TLA+, LaTeX

## Experience

### Hanoi University of Science and Technology

Ha Noi, Vietnam

SOFTWARE DEVELOPER

Aug. 2017 - Dec. 2017

- (Key Member) Developed a networked multi-player game: "Chiec non ki dieu".
- Written in Java on Android platform.
- Using OpenGL ES 2.x.
- Using Protocol Buffer and basic TCP and UDP packages.

### Hanoi University of Science and Technology

Ha Noi, Vietnam

RESEARCHER

Aug. 2018 - Dec. 2018

- (One Member) Developed a Simple Compiler for the Extended PL/0 Language
- Written in C++11.
- Using Flex & Bison.

### Hanoi University of Science and Technology

Ha Noi, Vietnam

SOFTWARE DEVELOPER

January. 2020 - June. 2020

- (Key Member) Developed a Distribution Management System.
- Written in GoLang (Backend), JavaScript (Frontend).
- React / React-Router / Material-UI (Frontend).
- PostgreSQL Database.
- Redis for Session Storage.
- Nginx for Reverse Proxy.

### Teko Vietnam

Ha Noi, Vietnam

BACKEND DEVELOPER

July. 2020 - Present

- (Key Member) Developing & Maintaining a Promotion System for VNPAY.
- Core System for Handling Voucher Assigning Logic
- Written in Go with gRPC & gRPC Gateway.
- MySQL Database.
- Redis for Caching.
- Elasticsearch for Logging & Searching Transaction Log.

### Teko Vietnam

Ha Noi, Vietnam

BACKEND DEVELOPER

May. 2021 - Present

- (Key Member) Developing & Maintaining a Voucher Search System for VNPAY.
- For Listing & Searching Vouchers & Shops with Vouchers
- Written in Go with gRPC & gRPC Gateway.
- MySQL Database.
- Elasticsearch for Searching Near By Shops.
- Deployed on Kubernetes with CI/CD.

## Teko Vietnam

BACKEND DEVELOPER

- (Key Member) Developing & Maintaining a Notification System.
- APIs for Centralizing Notification Mechanism.
- Allowing for Sending SMS, Email & OTT (FCM)
- Using MySQL Database.
- Using GCP Pub/Sub.
- Deployed on Kubernetes with CI/CD.
- Handling about One Million Messages Per Day.

*Ha Noi, Vietnam*

*May, 2021 - Present*

## Interests

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**Logic, Mathematics, Distributed Systems, Programming Languages, Functional Programming, Database Technologies**