

# Vu Long

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## EDUCATION

### BACH KHOA UNIVERSITY

#### BACHELOR OF ENGINEERING

Control Engineering and Automation

HCMC - Vietnam

Sep 2013 - Apr 2018

GPA: 8.64 / 10.0

## LINKS

Github:// [lovung](#)

LinkedIn:// [vu-long](#)

## SKILLS

### PROGRAMMING

Golang • C • Dart • Shell

Python • JS • Vim

### TOOLS

git • Docker • Grafana

### DB AND PERSISTENCES

MySQL • Redis • Kafka

### DEVOPS

Gitlab CI • Github Action •

Kubernetes • CNCF projects

## PROJECTS

- Golang clean architecture template
- Date library
- Decimal library
- Challenges
- Memcache
- Geo2D
- Simplify debts

## AWARDS

- |      |  |
|------|--|
| 2020 | Monthly Hero<br>Golang course team<br>MFV  |
| 2019 | Good Engineer in Year<br>VinID/OneID       |
| 2018 | Top 15 - ZACHallenge<br>Zalo - VNG         |
| 2017 | Top 5 Employee of Year<br>Hubble Connected |

## EXPERIENCES

### SHOPEE | SOFTWARE ENGINEER

Jun 2021 - Present | Singapore

- Migrating **10+** APIs from Python to Golang also improving the code structure with design pattern, improving the performance to handle **500k+** QPS during Campaign.
- Applied unified caching, saving **millions** QPS to call lower layers. Implementing the flexible rate limiter to block **20k+** spam QPS.
- Applied flexible i18n loading to reduce re-deployments.
- Developing the marketplace features to adapt user behaviors like: Component list, Payment cards, Promotion event sync, etc.

### MONEY FORWARD VIETNAM | SENIOR BACKEND ENGINEER

Jul 2020 - May 2021 | HCMC, Vietnam

- Built the Golang Backend Code structure from **scratch** with Clean architecture, linter, unit test, and integration test. Defined the git workflow standard, set up CI/CD workflow.
- Applied the **Bi-temporal** models for Asset Accounting SaaS system. Finished **3 phases** of product with Deprecation as main feature.
- Reviewed CVs. Reviewed the coding challenges. Interviewed the candidates.

### VINID / ONEID | SENIOR SOFTWARE ENGINEER THEN ENGINEER MANAGER

Feb 2019 - Jul 2020 | HCMC, Vietnam

- Built from **scratch** the backend services by Golang for Merchant Platform (support Merchant site, Merchant app, OPS site, Integration service, etc.).
- Built from **scratch** Merchant app (MVP version in **2 months**) with Flutter framework. This app was working smoothly with multiple modules and multiple teams. It had **30K+** monthly active users at this moment.
- Defined the git workflow standard, set up CI/CD workflow (for both App and Backend) to work smoothly and fast. It's referred to use by many other teams.
- Interviewed the new Flutter engineers and led Flutter engineers.

### ZALO - VNG | SOFTWARE ENGINEER

May 2018 - Feb 2019 | HCMC, Vietnam

- Developed the kernel module to capture/monitor networking of the server (like Kubernetes) using C Language.
- Modified OpenSSH service from server-side to track the developer activities via SSH.

### HUBBLE CONNECTED | FIRMWARE ENGINEER

Mar 2017 - May 2018 | HCMC, Vietnam

- Developed and maintained streaming audio (**10k+** sold products), smart home devices (**5k+** sold products) in the IoT team.

## SOCIAL ORGANIZATIONS

### PROJECT X VIETNAM TECH COMMUNITY | MENTOR

May 2022 - Present | Worldwide

A non-profit organization with a vision to create a powerful network that empowers the Vietnamese youths and provides supports to the growing tech startup community.