

# Anthony Nguyen

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## Skills

- Python | Go | JavaScript | TypeScript | C++ | MySQL | Postgresql | FastAPI | NodeJS | React | NoSQL | Git
- Cloud Computing | CI/CD | Pytest | Unit Testing | Integration Test | OOP | Kafka Apache | Docker
- Microservices | Distributed Systems | Backend | Full-Stack | English – *Intermediate*

## Experience

### Co-founder

#### Vector

Viet Nam 04/2023 - 09/2023

- Co-founded Vector Education and assumed the role of Technical Department Head, overseeing the development and deployment of Vector, a cutting-edge educational publishing app available on both Android and iOS platforms.

### Software Engineer

#### WispSwap Lab

04/2023 - 09/2023

- Designed and implemented an efficient off-chain system to enhance data processing and scalability within the WispSwap decentralized finance (DeFi) ecosystem.
- Managed backend service for a user base of 20,000, successfully scaling infrastructure to accommodate over 1,000 concurrent active users in a single day.

### Software Engineer L3

#### Teko Vietnam

Viet Nam 12/2021 - 06/2023

- Implemented enterprise applications for Customer Relationship Management using **FastAPI, Elasticsearch, Redis, MySQL, and Kafka Apache**.
- Implemented caching strategies to optimize API response times, reducing latency by 60%.
- Demonstrated expertise in maintaining legacy systems, upgrading codebase with solid principles, clean code practices, and design patterns while minimizing new code and achieving test coverage > 95%.
- Mentored and trained four new team members, including code reviews and on-the-job guidance.

### Software Engineer, Intern

#### Teko Vietnam

Viet Nam 04/2021 - 11/2021

- Build 2 core services in a microservice architecture using FastAPI, Postgresql, and Redis Caching with 500-user.
- Write unit tests and integration testing that covers 90%.
- Integrated multiple core services reduce time to declare merchant in VNPay to 50%.

### Software Engineer, Intern

#### VNIST

Viet Nam 01/2020 - 01/2021

- Incorporated 4 services for the MVP version including Authorization, Authentication, Detection Image
- Build front-end web MVP: integrate with 4 services in a microservices architecture

### Game Developer, Intern

#### VR Lab

Viet Nam 12/2018 - 05/2019

- **Roller Coaster:** VR game (Unity)

## Education

### Bachelor of Science

#### Ha Noi University of Science and Technology

Ha Noi, Viet Nam 09/2017 - 9/2022

- Major in Computer Science

## Projects

- **FastAPI Boilerplate:** FastAPI boilerplate using dependency, easy to test, link [GIT](#)

## Others

- **UAVS Hackatrix:** Top 7 with topic "Application for job management and salary payment" (07/2021)
- **KPMG Challenge:** Help the business or industry overcome the effects of an epidemic
- **Communist Youth Union**
- **Problem-Solving Certificate** - Hackerrank