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 led the development and deployment of Vector, an innovative educational publishing app available on Android and iOS platforms.
- Implemented server-side services and successfully onboarded 400 users onto the platform

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