

# Thanh Nguyen

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## EXPERIENCE

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### Fullstack Software Engineer

*Wombat Exchange*

7/2023 – Present

*Remote, Hongkong SAR*

- **EVM Data Indexing:** Maintained and deployed subgraphs for 3+ EVM chains, which handled 600K+ events. The subgraphs served Wombat Analytics page, which made nearly 250K requests per month. Optimized Wombat Analytics page's loading time from 10+ seconds to 1 second.  
Technologies used: TypeScript, AssemblyScript, NextJS, Subgraph.
- **EVM Data Analytics:** Implemented 100+ Dune queries and graphs and dashboards, which reduced Marketing Team's manual data calculation time by 90%.  
Technologies used: DuneSQL, Dune.

### Software Engineer, Platform Engineer

*Xantus Network*

10/2021 – 12/2022

*Hanoi, Vietnam*

- **EVM Data Indexing:** Designed, implemented, and deployed Events Synchronization services for 10+ EVM-compatible Smart Contracts on 3+ chains. The services handled 100k+ events, provided on-chain data for 3+ projects (Mones, Gunfire Avax, and Oxalus NFT Aggregator). Optimized Block Time Querying Service's loading time from 15+ seconds to less than 3 seconds.  
Technologies used: Golang, TypeScript, go-ethereum, web3js, Apache Kafka.

### Software Engineer

*Teko Vietnam*

4/2021 – 12/2021

*Hanoi, Vietnam*

- **Master Product Data:** Designed, implemented, and deployed data pipelines, data models, and REST API of Product Matching Service which processed 10K+ products.  
Technologies used: Python, Golang, FastAPI, SQLAlchemy.

### Software Engineer, System Engineer

*AI Academy Vietnam*

6/2019 – 8/2020

*Hanoi, Vietnam*

- **Data Crawling:** Designed, implemented, and deployed Data Crawling Service for 50+ news sources.  
Technologies used: Python, Flask, SQLAlchemy, pika, RabbitMQ, APScheduler.
- **Time Series Prediction:** Designed, implemented, and deployed configurable Prediction Service that can leverage 20+ prediction models.  
Technologies used: Python, pandas, sklearn, statsmodels.

## EDUCATION & CERTIFICATION

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### Le Quy Don Technical University

*Hanoi, Vietnam*

Engineer, Software Engineering

6/2016 – 6/2021

- **GPA:** 3.13
- **Specialized Individuals Informatics Olympiad 2017:** Second Prize
- **Super Cup Informatics Olympiad 2018:** Third Prize

### IELTS Issued by British Council

*Tay Ho, Hanoi*

Academic Module

2/2023

- **Overall:** 7.5
- **TRF Number:** 22VN027313NGUH002A

## SIDE PROJECTS

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**Cryptaa:** Offline-first code snippet manager powered by SvelteJS. Deployed at: [thanhnguyen2187.github.io/crypta](http://thanhnguyen2187.github.io/crypta).

**CamLisp:** Simple Lisp/Scheme interpreter in OCaml. Source at: [github.com/thanhnguyen2187/camlisp](https://github.com/thanhnguyen2187/camlisp).

**Phoenix:** Declarative machine configuration and dotfiles management with Nix, NixOS, and Home Manager. Source at: [github.com/thanhnguyen2187/.phoenix](https://github.com/thanhnguyen2187/.phoenix).