

Thanh Nguyen

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EXPERIENCE

Software Engineer, Analytics Engineer

7/2023 – Present

Remote, Hongkong SAR

Wombat Exchange

- **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 30+ 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

10/2021 – 12/2022

Hanoi, Vietnam

Xantus Network

- **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

4/2021 – 12/2021

Hanoi, Vietnam

Teko 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, Research Engineer

6/2019 – 8/2020

Hanoi, Vietnam

AI Academy Vietnam

- **Data Crawling:** Designed, implemented, and deployed Data Crawling Service for 50+ news sources.

Technologies used: Python, Flask, SQLAlchemy, pika, RabbitMQ, APScheduler.

- **Sentiment Analysis:** Researched and implemented a custom rule-based Sentiment Analysis Algorithm that utilizes 3K+ keywords to segment 5K+ text documents.

Technologies used: Python, underthesea.

EDUCATION & CERTIFICATION

Le Quy Don Technical University

Engineer, Software Engineering

Hanoi, Vietnam

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

Academic Module

Tay Ho, Hanoi

2/2023

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

SIDE PROJECTS

Crypta: Offline-first code snippet manager powered by SvelteJS. Deployed at: thanhnghuyen2187.github.io/crypta.

CamLisp: Simple Lisp/Scheme interpreter in OCaml. Source at: github.com/thanhnghuyen2187/camlisp.

Phoenix: Declarative machine configuration and dotfiles management with Nix, NixOS, and Home Manager. Source at: github.com/thanhnghuyen2187/.phoenix.