

## Summary

Crypto developer with 5 years of experience, specializing in resilient Golang microservices. Developed a high-performance DEX aggregator handling tens of millions in daily volume and 3000 RPS. Currently building a leading perpetual exchange on Base network, processing \$25M in daily volume.

## Skills

**Programming languages** Go, Python, Rust, JavaScript, Solidity, C++, Java

**Data Technologies** PostgreSQL, MySQL, MongoDB, Redis, Firestore, Apache Kafka

**DevOps Tools & Platforms** GCP, AWS, Kubernetes, Docker

## Experience

### BSX

United States

SENIOR SOFTWARE ENGINEER | GO, PYTHON, APACHE KAFKA, POSTGRESQL, REDIS

September 2024 - Present

- Developed a multi-asset collateral system enabling users to leverage a broader range of assets as collateral for trading perpetual contracts on BSX
- Built the isolated margin trading mode alongside the existing cross-margin mode to enhance user risk management and flexibility
- Created a vault system that empowers professional traders to establish trading vaults, allowing users to stake funds and earn yield
- Enhanced core components, including the matching and risk engines, to boost speed and stability for the exchange
- Built a swap system that allows users to efficiently and seamlessly convert between various assets
- Developed SDKs to enable seamless integration with the exchange

### Unibot

United States

PROGRAM MANAGER | PYTHON, SOLIDITY, MONGODB, FIREBASE, KANBAN

May 2024 - August 2024

- Managed a team of 5 developers to build a trading application with 2 million dollars in daily trading volume and 5000 daily active users
- Contributed to the design, development, and continuous improvement of application features, ensuring optimal performance and user satisfaction

### Kyber Network

Hanoi, Vietnam

SOFTWARE ENGINEER | GO, RUST, PYTHON, MYSQL, POSTGRESQL, REDIS

June 2022 - March 2024

- Spearheaded the design and development of the Limit Order backend service from the ground up, which handles millions of dollars in total trading volume
- Optimized the routing algorithm to enhance swap rates for users. Broadened liquidity sources, encompassing over 1 billion dollars across 12 chains, for the DEX Aggregator
- Developed user growth features for KyberSwap, including user profiles, notifications, campaigns, and reward systems. These features improved the user experience and achieved more than 10x growth in the user base after 1 year, increasing from 8000 monthly active users (MAU) to 118000 MAU on KyberSwap
- Authored a high performance math library for 256-bit signed integer computations in Golang, with operations ranging from 3x to 96x faster compared to the standard language library

## Beincomm

Ho Chi Minh City, Vietnam

SOFTWARE ENGINEER INTERN | TYPESCRIPT, POSTGRESQL, REDIS, APACHE KAFKA

September 2021 - May 2022

- Built the news feed service's APIs and a notification system that processes messages from the news feed via Kafka, boosting user engagement with timely push notifications

## SotaTek

Hanoi, Vietnam

BLOCKCHAIN ENGINEER INTERN | NODEJS, SOLIDITY

January 2021 - September 2021

- Played a crucial role in implementing a Layer 1 blockchain using the Cosmos SDK for a Taiwanese customer's project, and in developing Solidity smart contracts for a crypto staking application for a client in Malaysia

## Education

### VNU University of Engineering and Technology

Hanoi, Vietnam

BACHELOR'S DEGREE, INFORMATION TECHNOLOGY

August 2019 - June 2023

- Grade Point Average: 3.79/4.0, Honor Programme, Highest Distinction

## Projects

### CSGT

Hanoi, Vietnam

GO, MYSQL, GOOGLE CLOUD PLATFORM

June 2023 - December 2023

- Initiated and led a team with 5 individuals to establish a game item trading business, directly analyzing market trends and formulating effective trading strategies, resulting in substantial profits
- Took the lead in software development and solo engineered the backend service, reducing workloads for item dealers

### Farmer

Hanoi, Vietnam

GO, MYSQL, GOOGLE CLOUD PLATFORM

August 2022 - January 2023

- Crafted an automated trading bot for Binance Exchange that ensured smooth performance and gained a 10 to 20 percent profit per month during the operation period

## Awards

### University Academic Excellence Award

Vietnam

TOP 3 GPA

May 2021

### ICPC Vietnam National Programming Contest

Vietnam

SECOND PRIZE

November 2020

### Vietnam National Olympiad in Informatics

Vietnam

SECOND PRIZE

February 2019

### Vietnam National Olympiad in Informatics

Vietnam

THIRD PRIZE

February 2018