

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
- Developed a system vault that automates position liquidations to manage perpetual contract system risks, with profits streamed to the community
- Increased BSX project token utility by enabling its use for trading fees with discounts
- Built the subaccount feature, allowing users to manage multiple trading wallets under one profile and execute different strategies with ease
- 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

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