



TRAN NGOC HUNG

Backend Developer | Web & Application Security Specialist

Profile

I am a passionate software developer actively pursuing a career in the fintech industry, with 3 years of experience in trading platform development and 2 years in banking web/app security, all focused on fintech projects. My expertise includes building cryptocurrency trading platforms, automated trading bots, and smart contracts, along with conducting security audits and penetration testing for financial web and app services. I am committed to delivering secure, high-performance fintech solutions.

Employment History

Fullstack Developer at Nami Exchange, Ho Chi Minh

March 2022 — Present

Passionate developer with experience in building high-performance systems for cryptocurrency trading platforms, automated trading bots, and blockchain technology applications. Proficient in multiple programming languages, including NodeJS, Golang, Python, Solidity, framework NestJS, ReactJS.

- **Cryptocurrency Trading Platforms:** Development of a cryptocurrency exchange (CEX) featuring spot and swap services (**NodeJS, NestJS, ReactJS**)
 - Spot/Swap order service includes **market, limit, stop, oco** order types. (Backend)
 - Develop data feed for trading including market watch, depth book, trades, tradingview,... (Backend, Frontend)
 - Order Routing Service – Liquidity Integration: Developed a service to automatically transfer user orders to external cryptocurrency exchanges, leveraging their liquidity to enhance trading execution. (Backend)
 - Developed user experience (NextJS) with trading fee management, marketing events, and responsive design (Frontend)
 - Content management system: features like marketing events, earn/loan management. (Backend, Frontend)
- **Robust matching engine:** developed with **Golang** to bring powerful performance and speed to the order matching system. Benchmark **111698 tps** for VPS server, share CPU Intel 4 core, 8GB memory
- **Automated Trading Solutions:** Developed an Automated Market Maker (AMM) tool in **Golang** to automate the placement and matching of cryptocurrency orders, designed to control and stabilize market prices in alignment with external market trends.

Details

Ho Chi Minh, 700000

Vietnam

0789978995

trhung26620@gmail.com

Date of birth

25-05-2000

Nationality

Vietnam

Links

[Linkedin](#)

[Github](#)

[Personal website](#)

Skills

Research

NodeJS, Go, Python

Microservice, Distributing system

Web/App Security

Trading platform, fintech business

Group working, English

Languages

Vietnamese

English

Hobbies

Technology, finance and business research, games, art, soccer, swimming

- **Web3 and Blockchain:** Implemented on-chain solutions for Ethereum, BSC, and Solana, facilitating blockchain transaction scanning, deposits, and withdrawals.
- **Data Management and Analytics:** Developed a service (**NestJS**) integrating with the AppsFlyer SDK to track user acquisition campaigns and automate revenue statistics for a cryptocurrency exchange, enhancing operational insights.
- **Trading Algorithm Backtesting:** Developed and tested various trading algorithms in **Python** to evaluate their performance in simulated market conditions using historical data. The project focused on refining strategies for automated trading by identifying profitable patterns and minimizing risk.
- **Tap to Earn Game – Telegram MiniApp:** Developed NestJS backend to support real-time gameplay, secure user authentication, and dynamic game logic for handling tap events, scores, and rewards.
- **Security Expertise:**
 - Conduct penetration testing for web/app according to top **OSWAP** standards
 - Conducted a comprehensive audit of a stablecoin smart contract deployed on the Binance Smart Chain (BSC)
- **Lead a workshop** on the KyberSwap Elastic exploit, sharing valuable insights into smart contract vulnerabilities with peers.

Experienced in deploying **microservices architecture** and utilizing advanced technologies such as **Mongo, MySQL, Kafka, Redis, Nats, Docker, and distributed system models** to build scalable and efficient applications. Dedicated to continuous learning and implementing industry best practices in finance development.

Web/App Security Pentester at Techlab Corporation, Ho Chi Minh

February 2020 — February 2022

Security specialist with 2 years of experience in web/mobile app security, focusing on the financial sector.

- **Banking Security:** Testing more 10 web/app banking projects, identifying and mitigating vulnerabilities following **OWASP standards**.
- Experienced in blackbox testing, code auditing, cryptography (AES/RSA).
- Proficient in various security tools: Burp Suite, Acunetix, Frida, Jadx, APKTool, Android Debug Bridge (ADB),...

Developer at Personal projects, Ho Chi Minh

September 2022 — March 2023

Web3 Development & Blockchain:

- **Booking Care Dapp:** Create a decentralized application for booking healthcare services, leveraging blockchain technology to pay for services.
- **Charity DAO App:** Designed a decentralized autonomous organization application to streamline charitable donations and governance through smart contracts.

- **NFT Marketplace:** Developed a platform for minting, buying, and selling non-fungible tokens.

Security Project:

- **Web Vulnerability Scanner:** Engineered a tool to identify and assess security vulnerabilities in web applications, enhancing overall security posture.

🎓 Education

Bachelor of Information Security, FPT University, Ho Chi Minh

September 2018 — September 2022

High-achievement subjects: Programming C, Java, Java OOP, Desktop Java Application, JS/HTML/CSS, Python, Database Systems, Data Structures and Algorithms, Networking, Web Security, Database Security

🔧 Courses

Burp Suite Certified Practitioner, PortSwigger

January 2023 — January 2028

Certified Ethical Hacker (CEH), SaigonCTT

January 2021

Data Communications and Network Services, Cisco

January 2020

Web Design for Everybody: Basics of Web Development & Coding, Coursera

October 2020

Python for Everybody, Coursera

February 2021

Startup Entrepreneurship, Coursera

December 2020

📖 References

Than Cong Dinh (Senior DevOps) from Nami Foundation

dinhthc@nami.trade · 0902722820