

Trinh Ngoc Khang

Senior Blockchain Developer

Ha Dong, Ha Noi

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I have been working in the software industry for more than 4 years for both product and outsourcing companies. My experience includes, but is not limited to, software development (programming, DevOps, system architect, requirement analysis), project management (with both waterfall and scrum/agile model), and team management (hiring, training, motivating)

OBJECTIVE

- Always aiming to learn new things.
- Delivering the best products in my capacity to the customers.
- I am interested in Blockchain development, System Architect.

PROFESSIONAL SKILLS

- Programming language: JavaScript/TypeScript, Solidity, Java, C#.
- Proficient: Nodejs (NestJs, ExpressJS), Mysql, ReactJS/NextJs, MongoDB, Web3/EthersJs.
- Familiar: Solidity, Hardhat, IPFS, The Graph, AWS, Ubuntu, Redis, Kafka, Nginx, Electron, Docker, Elasticsearch, RabbitMQ.
- Tools: Git, Trello, Jira,
- ToEIC: 820/990

EDUCATION

2016 – 2021

Ha Noi University of Science and Technology

Information Technology

CPA: 3.1/4.0

2013 - 2016

Hung Vuong Gifted High School

Math specialized class

ACHIEVEMENT

- Dedicated Sotateker of the year (Sota award - 2021)
- Scholarship for highest CPA in class (2 semesters: 2018-1 and 2019-1).
- Second prize in Mindx final hackathon (2017).

EXPERIENCE

SOTATEK

Technical Leader

Ha Noi, Viet Nam

Mar 2021–Present

Sotatek is the biggest Blockchain outsourcing company that has been the pioneer in bringing Blockchain to mass adoption.

As a Technical Leader, I work with sales teams to propose solutions to clients who want to apply blockchain technology in different domains like financial, and supply chains,... and work with the development team to break down the task and implement solutions. I am also the mentor in Web3/EtherJs class to train newbies in blockchain development. Besides that, I am a technical interviewer in the recruitment process.

I also work on some other projects: (due to the policy of the company, I am unable to show the name of projects):

- Farming website, users use LP in other DEX like Pancake, Sushi, Balancer to deposit and farm another token in the system. The number of pools and types of the pool are defined, not all LP can farm, and the farming reward is calculated per block generated in the blockchain.
- A mobile crypto wallet, I am in charge of the notification system to users.
- An aggregator Decentralize Exchange working in both BSC and ETH network, using an algorithm to divide input amount into many other DEX(Pancake, Uni, Sushi, BiSwap,...) to provide the best output amount for users (bigger output amount compare to 1Inch). Other functions: Liquidity, Bridge, Farming, Referral, Lottery.
- A Decentralized Exchange with Governance function to provide more authority to users, users can create a Ballot and vote for the Ballot, if the Ballot wins it will change the config in SmartContract and users can get the rewards. Companion with DEX site is the analytic site, using The Graph to crawl all the events in the DEX to display, calculate the token price, liquidity history,... Other functions: Swap, Liquidity, Staking.
- AnIDO website enable the user in the whitelist can buy ERC20 in pools, using Markle Tree to define who is in the whitelists.
- An NFT minting site, allow the user to pay the minting fee in crypto and fiat (Stripe) to mint the NFT.
- A bridge that supports users lock token in a chain and unlocking in another chain, using multi validators to increase security. Support refund mechanism when an error happens. Support EVM blockchain.
- NFT Marketplace: Automation valuation asset by Replacement Cost, Relief from Royalty, Discounted Cash Flow methods by their financial profile and Mint NFT represent for that asset. Moreover, users can list on the Market and trade with others by fixed price and auction.

Tech stacks: BSC, ETH, Polygon, NodeJS, ReactJs, Web3, Ethers, Solidity, Hardhat, AWS, Docker.

FREELANCER.

Developer

- Build several e-commerce websites by WordPress, integrate payment, and increase the performance of the website.
- Build a CRM system for my client, using NodeJS, MySql, ReactJs.
- Developed desktop tools such as crawling data, and simulating user action using ElectronJs, and Puppeteer.
- Develop a DEX for exchange crypto for clients (Swap, Liquidity, Farm). Using Solidity, Nodejs, and ReactJs.

HEADWAY

Technical Leader

Ha Noi, Viet Nam

Jul 2020–Jan 2021

Headway is a product and outsourcing company with the main priority of providing software applications to schools in VietNam.

- Be the key member of a young team to develop a student monitoring and management application (Edukite), contributing to API for mobile app, notification server, chat server, and admin web. The technology used: Java Spring, Mysql, ReactJs, Nodejs, MongoDB.
- Joined backend team and developed a Telesales application for Techcombank - one of the biggest banks in VietNam. The technology used: .Net Core, Dapper, SQL Server.
- Maintained a customer service application for Northern Power IT Company named ENVNPC.

AGILETECH
Backend Intern

Ha Noi, Viet Nam
Mar 2019 – Aug 2019

- Joined backend team and developed API for a news application using Nodejs, ExpressJs, MariaDb, Redis, ElasticSearch.
- Developed backend for admin page of a social network application using Nodejs, PostgreSQL.
- Designed and developed backend for a single sign-on system using Nodejs.

PERSONAL PROJECTS

Kfilm (2019)

- **Function:**
 - Auto download movies with the torrent link and crawl data.
 - Saving movies in Google Drive, and film information in the database.
 - Technology: NodeJs, ReactJs, MySql.
- **Technology:** NodeJs, ReactJs, MySql.

Stress Fighter (2019)

- **Function:**
 - Invite players to join the game.
 - Pick characters with different skills and specifications.
 - Play online against the competitor.
- **Technology:** Unity, Nodejs, SocketIo.