

Vo Nhat Thanh

Backend Blockchain Engineer

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SUMMARY

I am a Web3 developer with 5 years of experience, specializing in cutting-edge technologies like AI and Blockchain. I am familiar with NodeJs, Typescript, Go, Docker. Most of my time is spent building in the Web3 space, specifically implementing Layer 1 networks and **optimizing databases**. Performance Optimization. One of my favorite recent wins was re-engineering our company's database to increase query performance by **30%** performance .

Currently, I am looking for new opportunity in SAP Technical Consultant.

I am proficient in using English; I took the **IELTS 6.0** in 2019. I am still actively learning and improving my English skills to this day.

EDUCATION

Ho Chi Minh University of Technology

2018 - 2023

Bachelor of Science in Computer Science

WORK EXPERIENCE

SAP Learning Blog

June 2026 – Current

Personal project

Documents my SAP learning journey, technical concepts, and problem solving process. I am looking for new opportunities in this field. Visit my Blog: justee.space/blog/sap-switching

- Write leaning journey to strengthen my comprehension about SAP technology
- SAP ABAP - Understand Tcodes, debugging skill, how to build a ALV Report
- Learning SD module - O2C process
- Learning SAP RAP and build a RAP sample program for a O2C process

PerpX DEX

Dec 2025 – May 2026

SSID / 1119Labs - Blockchain / Database Engineer

Building a decentralized exchange (DEX) platform at a RD labs.

- Mainly in charge of maintaining the Indexer Service, which acts like a bridge indexing web3 data to end user in a more efficient way.
- A database design for synthesizing on-chain data to improve performance
- Built multi-cluster Kafka system for event pipelines for high-throughput workloads
- Build the explorer to query the address's transactions

U2U Solaris Mainnet - Layer 1

June 2024 – Dec 2025

U2U Network - Blockchain Engineer

Decentralized Layer 1 network supporting DEPIN applications. U2U is listed on the major centralized exchanges (CEX) such as OKX, BingX, and MEXC.

- Fork Helios Network with customized features and Optimize Gas
- Implement DAG (Directed Acyclic Graph) Architecture which help increase transaction processing speed and minimize congestion in the network
- Implement multi-layered Consensus
- Upgrade the chain when a ETH hard fork occurs

Techstack: Go, Metamask, Web3JS, EthersJS, P2P, libp2p, DAG, DEPIN, Solidity

LayerG - Decentralized Game Server

Sep 2024 – June 2025

U2U Network - Blockchain Engineer

Decentralized Game Server Infrastructure running on U2U Network. Support other chains in future

- Real-time data synchronization, ensuring every transaction is verifiable and secure
- Implement Subgraph for nodes to fetch configuration to run on their local node
- Using P2P to cross check data between indexer nodes
- Implement a DA Layer with POI (Proof of Indexing) to ensure data validation. Data is stored with MMR Data Structure

Techstack: Golang, Metamask, Web3JS, EthersJS, P2P, libp2p, Subgraph, GraphQL

AI Coding Trainer

Apr 2025 – Aug 2025

ScaleAI - Senior Reviewer - Freelancer

Training Coding ability for hiend LLM in Vietnamese localization

- Improve Truthfulness, Coding Syntax and Vietnamese localization issue for these LLM
- Review other Trainer's work

Techstack: Go, NodeJs, LLM

TAOANHTHE.ONLINE

Apr 2026 – June 2026

Personal Project - Fullstack

ID Card Generator Project - Turns phone selfies into print-ready ID photos with AI (background, outfit)

- Support using all image type (.jpg, .png, .heic).
- Build AI model (Gemini, Banana Nano 2.0) to generate ID card.
- Sepay webhook checkout.
- Has to pause this project because of the AI rule for Legal documents.

Techstack: NestJs, NextJs, Gemini, Sepay

AI Chatbot

Apr 2024 – June 2024

Personal Project

Using OpenAI LLM model with training knowledge and persona. I build this project to revise my knowledge and support my works

- Using opensource Agno to manage the assistant (LLM + Memory + Knowledge)
- Admin dashboard: manage user information and adding chatbot with customized prompt, persona
- Upload pdf file as knowledge for LLM model, allow reading chat history as knowledge

Techstack: NestJs, Python, FastAPI, PostgreSQL, Redis, RestfulAPI, OpenAI, Microservice, gRPC

Talent Scout - Headhunt application (Backend Solo project)

May 2024 – June 2024

Codelight - Backend engineer

Build this application **within 1 month**

- Design Database, Project Structure
- Authentication with OAuth2 (Google, Linkedin), and OTP
- Build mail service with Novu
- Develop and Maintain API for admin, candidate, recruiter, HR,..
- Create and maintain API document (Swagger, Postman), Testing with Newman

Techstack: NestJs, PostgreSQL, Redis, RestfulAPI, Newman

Heydevs - Active sourcing recruiting platform

Sep 2022 – Apr 2024

Codelight - Backend engineer

HeyCRM (PIC) | CRM platform

Heydevs | Recruiting platform

- Building and maintaining server-side applications using NestJS, GraphQL, and PostgreSQL

- Security: Implementing Passport OAuth2 for authentication (supporting Google, GitHub, and LinkedIn) and middleware to protect sensitive information
- **Database Optimization** Designing database structures, applying Indexing, caching, full-text search, and using Elasticsearch for complex query searches.
- Develop and maintain API for hiring process
- Mail Service: Using Open-source (Novu) interacted with AWS SES, S3 to send email/ notification
- Chat Service: implement Websocket to build a real-time message system
- Payment: Implement Stripe API to handle payment checkout
- Document and Conduct unit tests and integration tests

Techstack: NestJs, PostgreSQL, Stripe, Redis, RestfulAPI, GraphQL, gRPC, Postgres Websocket, BullMQ, Docker, AWS, S3, Jenkins

Pikasso - Fiat NFT Marketplace

Mar 2022 – Aug 2022

Codelight - Backend engineer (Intern - Fulltime)

Platform allows users to buy web3 assets with fiat (USD, VND) with no experience in cryptocurrency.

- Develop backend solutions using TypeScript, NestJS, and ExpressJS to implement a Microservice architecture system
- Interact on-chain with the ETH network using Ethers.js and Hardhat to access decentralized data
- Use the Stripe API to handle Visa checkout.
- Develop and maintain API for Buy/Sell NFT on Marketplace

Techstack: NestJs, PostgreSQL, Stripe, Redis, RestfulAPI, Docker, EtherJS, Hardhat, Cryptocurrency

HOBBY

Sport: Hit the Gym, Training Boxing

Art: Playing guitar, photography

SIGNATURE