



CV

Bui Dinh Nguyen Khoa

Software Engineer



Experience

DebiON

Backend engineer

HCMC

Jul 2021-Present

- Develop Trade Platform, RFQ Manager, Dropship Store and mini-services (SSO, Shorten Link, Sourcing Vendor,...)
- Work with Shopify Admin API. sync selling data from other eCommerce platform.
- Technologies: RestApi, NestJs, ExpressJs, RabbitMQ, Mongo, MySQL and Redis
- Team size: 8

Tingee

Blockchain & Backend engineer

Remote

Aug 2022- Dec 2022

- Develop Chat & Notification Service, NFT Management
- Watch contract's transaction with The Graph
- Technologies: WebSocket, GraphQL, NestJs, Kafka, Cassandra, Postgre and Redis
- Team size: 10

M25 Lab

Blockchain & Backend engineer

Remote

Apr 2022-Jul 2022

- Develop Bitcoin Wallet Api (Support P2PKH, Segwit, Multisig), Full-node Explorer for Bitcoin and Ethereum
- Technologies: RestApi, ExpressJs, Kafka, MySQL and Redis
- Team size: 7

DeepHub

AI engineer intern

HCMC

Jan 2020-Jun 2020

- Research and develop on JPOP Music Generation, ID Card Recognition
- Technologies: Numpy, Pandas, OpenCV and Pytorch
- Team size: 2

Education & Certificates

University of Science, VNUHCM

BS Honors Program of Computer Science GPA: 8.5/10

HCMC

Sep 2019-Present

200Labs.io

Completed Smart Contract Course

Jan 2022 - Mar 2022

Crosstech

Completed AI Course

Aug 2022-Dec 2022

Technical Skills

- Have technical knowledge of **Blockchain** (especially Bitcoin)
- Can develop on **Cosmos SDK**, **Smart-contract** with **Hardhat**
- Backend programming with **NestJs**, **ExpressJs** (JS/TS). Can implement a **monorepo** project. Also used **FastApi** (Python) and **Gin** (Go) for productions.
- Familiar with **SQL** (MySQL, Postgres), **NoSQL** (Mongo, Cassandra), **Key-Value** (Redis) and **PubSub** (Kafka). Experience in using **Sequelize**, **TypeOrm** and **MongoDB**
- Have an understanding of **OOP** and **Design patterns**
- Familiar with **Git**, **Docker**

Used to use and not often anymore: Anaconda, PyTorch, VueJS

Side Projects

- **Bitcoin transaction utils.** [Demo](#)
Project Description: Create and sign raw transaction, support P2SH, P2PSH, P2WSH, MultiSig
- **NFT Ticket Wallet.** [Demo](#)
Project Description: Ticket Wallet and Marketplace application on 1-node blockchain simulator
- **Sky Segmentation and Harmonious Substitution in Video Processing.** [Demo](#)
Project Description: Sky segmentation, sky motion estimation and image blending after sky replacement.
- **Sign language recognition using Leap motion and LSTM.** [Demo](#)
Project Description: Detect words with hand signs via camera, we use 3D Leap motion for tracking 2 hands
- **Co-Leader of One Tim One Team 2021.** [Demo](#)
Project Description: Event about introducing practical working environment, co-organized by Aiesec, sponsored by FPT AI Residency
- **Project Leader of HCMUS Coding Challenge 2021.** [Demo](#)
Project Description: Program competition

Awards

- **Winner of RMIT Accessibility Design Competition 2022** - Design Competition is organized by RMIT Careers, Alumni & Industry Relations
- **2nd FTU VN Startup 2021 and Top 10th CiC 2021 and Top 3th S&IP 2021** - Startup competitive of Foreign Trade University and Viet Nam National University Ho Chi Minh
- **1st prize of Giao Thong Xanh Ho Chi Minh City 2020** - A city-wide debating competition of Ho Chi Minh Communist Youth Union of HCMC about technology to resolve traffic problems
- **Consolation prize of Vietnam Olympiad in Informatics 2019**
- **3rd prize of ViSef 2019** - An annual nation-wide science fair owned and administered by Ministry of Education and Training
- **3rd prize of National Young Informatics 2018**

Thank you

Looking forward to hearing from you.
Nguyen-Khoa Bui-Dinh