NGUYEN GIA HUY

Linkedin - Github - huy8bit@gmail.com - 0948385149

SOFTWARE ENGINEER

As an adept Backend Developer with DevOps proficiency, I am deeply passionate about developing high-quality, scalable software solutions. My expertise spans the software development lifecycle, emphasizing CI/CD, system design, and application optimization. Leveraging advanced technologies and a problem-solving mindset, I have delivered resilient systems that align with business objectives. My commitment to continuous learning and team collaboration makes me a valuable contributor in technology-driven environments, aiming to drive impactful software innovations.

PROFESSIONAL SKILLS

Programming Languages: Python, JavaScript, Golang, Solidity, C++
Frameworks and Library: Node.js, FastAPI (Python), Hardhat(solidity), Web3
Databases: MySQL, Oracle, MongoDB, Redis
DevOps and Version Control: Docker, AWS Cloud, Git, Jenkins
Other Tools and Software: Postman, Jira, Gitlab

PROFESSIONAL EXPERIENCE

Cloud backup system   **March 2024 - Present**
Blockchain developer ,Backend developer, Devops engineer

This project is an open-source initiative in which I played a pivotal role as a backend developer and DevOps engineer. My contributions to the project encompassed designing the system architecture, developing APIs, and writing smart contracts. Additionally, I was responsible for deploying the system and utilizing CI/CD processes to ensure efficient and reliable delivery of updates and new features.

Feature:
- Implement device registration into the system to facilitate seamless data synchronization across a user's various devices.
- Enable rapid data sharing among system users through direct peer-to-peer transmission links, bypassing server reliance for enhanced privacy and speed.
- Incorporate an option for users to utilize our application's cloud storage solutions, offering secure and scalable data storage capabilities.
- Innovate by offering a storage hardware leasing feature for users, leveraging smart contract payments via ERC20 tokens on the Ethereum blockchain.
- Design and execute a robust cross-node backup strategy to ensure data redundancy and protection against loss.

Technologies and Tools Used:
- Programming Languages: Python, Golang, Solidity
- Frameworks and Libraries: Fastapi, web3
- Cloud and Storage: AWS (EC2, S3)
- Database: MongoDB, Redis
- Development Tools: Docker, Jenkins, github

Source Code Repository: Cloud-Backup-System

Splitting-Me   **June 2023 - August 2023**
Blockchain developer ,Backend developer

This is an open-source project I contributed to, primarily as a backend developer. My contributions to the project included system design, backend development, and smart contract development.

Feature:
- Granting access to wallets authorized to mint NFTs.
- Each NFT will be issued its own distinct ERC20 token.
- Creating pools for the tokens owned by a user.
- Swapping tokens through pools within the system.
- Buying, selling, and trading NFTs on the marketplace.

Technologies and Tools Used:

- Programming Languages: Python, Solidity, Javascript
- Frameworks and Libraries: Flask, web3, Hardhat
- Cloud and Storage: IPFS, Contabo vps
- Database: MongoDB, Redis, IPFS
- Development Tools: Gitlab

Source Code Repository: Splitting-Me

SCROLL ID   **July 2023 - September 2023**
Blockchain developer ,Backend developer

I am actively involved in an open-source project where my primary role encompasses developing smart contracts and backend code. My contributions extend to architecting the system, ensuring a robust and scalable foundation.

Feature:
- Mint ERC 1155 tokens.
- Each token will be associated with a registered name.
- Facilitate the buying and trading of Tokens on the exchange.
- The token owner's name will be displayed during transactions on the Scroll network.

Technologies and Tools Used:

- Programming Languages: Python, Solidity, Javascript
- Frameworks and Libraries: Flask, web3, Hardhat
- Cloud and Storage: AWS (EC2, S3)
- Database: MongoDB, Redis
- Development Tools: Gitlab, Docker

 Source Code Repository: Smart contact Backend

WORK EXPERIENCE

Esollabs | June 2023 to September 2023
Intern backend developer

EDUCATION AND CERTIFICATIONS

DevOps on AWS Specialization
Coursera certificates

Ho Chi Minh City University of Science (HCMUS) | 2020 - Now

Information Technology, Knowledge Technology major