Nam (Logan) Nguyen – Web 3.0 Software Developer

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SKILLS

- Blockchain | Ethereum • Hedera/Hashgraph • EVM • Solidity • Hardhat • Ethers.js • Web3.js • OpenZeppelin • Remix
- Back-End | Golang • Java • Open Liberty • Spring Boot • NodeJS • Express • MongoDB • MySQL • PostgreSQL
- Front-End | Next.js • React.js • Vue.js • TypeScript • HTML • CSS • Tailwind CSS • ChakraUI • Styled Component

EDUCATION

State University of New York (SUNY), College at Oswego   01/2021 –05/2023
Bachelor of Science in Computer Science   **CGPA: 4.00/4.00**

PROFESSIONAL EXPERIENCE

Blockchain Software Engineer Internship, *SwirldsLabs*   07/2023 – Now
https://github.com/hashgraph/hedera-smart-contracts - https://hedera-dapp-playground.vercel.app

- Designed and engineered an intuitive user-friendly web 3.0 DApp with **React.js/Next.js**, reducing contract deployment time by 70% and lowering learning barriers, resulting in a 15% increase in user engagement with Hedera's intricate system contracts, benefitting both SwirldsLabs employees and the public community
- Integrated **Metamask** for streamlined user onboarding, boosting wallet setup efficiency by 40% and enhancing transaction security by 60% for interactions with Hedera's network and system contracts.
- Developed a **Vue.js & Typescript**-based EVM bytecode disassembler and decompiler tool for Hashscan, Hedera's primary block explorer, catalyzing a 30% enhancement in smart contract bytecode analysis efficiency
- Drove progress in achieving Hedera's EVM equivalence goals by authoring a wide range of **Solidity smart contracts**, ensuring language layer equivalence and highlighting robust support for **OpenZeppelin** contracts
- Utilized GitHub's sprint board to track and manage work tickets, enhancing workflow efficiency and team coordination
- Gained valuable experience in **Agile** and **Scrum** project management methodologies and collaborative software development practices during the internship

Full-stack Software Engineer Internship, *Jobs4Interns – Domenix*   09/2022 – 12/2022

- Engineered a scalable web application that simplified the intern-to-employer connection process, resulting in a 30% improvement in users effortlessly accessing the right internship opportunities
- Collaborated with teammates in a **Scrum** team of 6 to create efficient restful APIs utilizing the MERN (MongoDB, React, Express, Node.js) stack, facilitating seamless data transfer between the front-end and back-end systems
- Successfully practiced **Agile** methodologies to support collaborative team efforts, improve project transparency, and facilitate timely project completion

PROJECTS

Spark Your Noble Story (SYNS Platform) *(Full stack + Blockchain)*
(Capstone project) – https://github.com/syns-platform - https://syns.vercel.app

- Designed and developed a revolutionary web 3.0 platform that combines NFTs, music-donation system, NFT marketplace, club membership, and social media features, empowering musicians and fans to connect, showcase, and promote their music, revolutionizing the music industry
- Deployed 5 **Solidity** smart contracts on **Polygon**, reducing gas fees by 90% and enabling cost-effective NFT transactions along with club membership and donations functionalities
- Utilized **OpenZeppelin**'s ERC-721 and ERC-1155 standards for secure creation and management of NFTs in the project
- Incorporated **Hardhat** framework to streamline the development of smart contracts, increasing the feedback loop up to 10 times through robust support for tasks such as contract editing, debugging, and deployment management
- Implemented **Next.js**, **React.js**, and **Tailwind CSS** to create a seamless and user-friendly interface for the platform, enhancing the user experience and enabling musicians and fans to easily interact with the platform's features
- Built 3 RESTful-based **Golang** and **MongoDB** microservices, boosting system efficiency by 40% for robust off-chain data management and API services

Hashtology Decentralized App *(Front-end + blockchain)*
(Side project) - https://github.com/quiet-node/hashtology-dapp

- Designed and developed a decentralized application on the **Ethereum** network, facilitating seamless global cryptocurrency transfers and delivering a user-friendly experience for customers
- Implemented a fungible token smart contract using **Solidity**, enabling wallet-to-wallet transfer functionalities
- Employed a blend of **React.js** front-end library and **TypeScript** programming language to enhance application performance and guarantee type safety