

Nam (Logan) Nguyen

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WORK EXPERIENCES

Full-stack Software Engineer Internship, Jobs4Interns – Domenix Sep. 2022 – Dec. 2022

- Successfully practiced **Agile** methodologies to support collaborative team efforts, improve project transparency, and facilitate timely project completion
- Collaborated closely with teammates in a **Scrum** team of six to create efficient restful APIs utilizing the MERN stack, facilitating seamless data transfer between the front-end and back-end systems
- Solely migrated codebase from React class to functional components, improving code maintainability and performance
- Implemented **Redux** store to manage the application state and improve code scalability and organization

Web Development Intern, SUNY Center for Professional Development Feb. 2022 - May. 2022

- Successfully re-designed and expertly maintained a highly complex network of 30 WordPress websites
- Conducted proactive monitoring of website performance, swiftly addressing any technical issues, and troubleshooting as necessary to ensure optimal functioning of all WordPress sites

EDUCATION

State University of New York (SUNY), College at Oswego Jan. 2021 – exp. May. 2023

Bachelor of Science in Computer Science **CGPA: 4.00/4.00**

- Courses: Software Engineering, Data Structures and Algorithms, Front-end Web programming, SQL Database, Capstone

PROJECTS

Spark Your Noble Story (SYNS Platform) (Full stack + Blockchain)

(Capstone project) – <https://github.com/syns-platform> - <https://syns.vercel.app>

- Led the development of the SYNS platform as a solo developer, utilizing cutting-edge front-end technologies such as **Next.js**, **TypeScript**, and **React.js** for efficient and user-friendly user experience
- Developed and deployed 5 **Solidity** smart contracts on the Polygon network, utilizing ERC-721 and ERC-1155 standards from OpenZeppelin for low-cost and efficient NFT creation, also supporting club membership and donation functionalities
- Incorporated **Hardhat** framework to enhance the development and deployment process of smart contracts, providing robust support for tasks such as contract editing, compilation, debugging and deployment management
- Integrated **Ethers.js** library for seamless NFT transactions and other functionalities on the blockchain in the client application
- Implemented 3 restful-based microservices for the backend using **Golang** and **MongoDB**, providing a robust and scalable infrastructure for off-chain data management and API services
- Collaborated in an **Agile** work setting, participating in routine standups, sprints, retrospectives, and workload assessments

Hashtology Decentralized App (Front-end + blockchain)

(Side project) - <https://github.com/logann131/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 custom fungible token smart contract using **Solidity**, enabling wallet-to-wallet transfer functionalities
- Employed a blend of **React.js** front-end framework and **TypeScript** programming language to enhance application performance and guarantee type safety

NFTir (Golang Back-End)

(Course/Individual Project) – <https://github.com/NFTir>

- Utilized **Gin-Gonic** framework to construct a robust and reliable Golang-based restful application server, offering exceptional performance and user experience for managing individual NFTs
- Integrated an **AWS DynamoDB** table to effectively store and manage metadata and information for individual NFTs obtained from the NFTGo API server, thereby enhancing data retrieval and processing efficiency within the NFTir project
- Leveraged **AWS EC2**, **ECR**, and **ECS** to deploy a containerized solution, achieving high scalability and efficiency

SKILLS

Blockchain	Ethereum • Solidity • Hardhat • Waffle • Ethers.js • Web3.js • Truffle • OpenZeppelin • Remix
Front-End	Next.js • React • TypeScript • HTML5 • CSS • Tailwind • Styled Component • Bootstrap • WordPress
Back-End	Golang • Open Liberty • Spring Boot • NodeJS • Express • MongoDB • MySQL • Rest API • Firebase
Deployment	AWS • Netlify • Heroku • Docker • OnRender