Nam (Logan) Nguyen

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SKILLS

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

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, SQL Database, Software Deployment

EXPERIENCE

Blockchain Software Engineer Internship, *SwirldsLabs*   July. 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 **Next.js** for rapidly deploy and interact with Hedera's intricate system contracts, reducing learning barriers, and enhancing developer accessibility
- Integrated **Metamask** for seamless wallet support, enhancing user onboarding and enabling secure interactions with Hedera's network and its system contracts.
- Utilized **ethers.js** to enable seamless execution of Hedera system contract functions via intuitive buttons and dynamic input fields, simplifying interaction with Hedera's powerful features.
- 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*   Sep. 2022 – Dec. 2022

- Developed a scalable web application that assists interns connect with employers and land on internships with ease
- 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 6 to create efficient restful APIs utilizing the MERN stack, facilitating seamless data transfer between the front-end and back-end systems

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

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

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
- 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
- Integrated **Go-Ethereum**'s cryptographic functions with **Golang-jwt**, augmenting the capability to provide industry-leading security measures for secure user authentication, authorization, and data protection
- Implemented **Next.js**, **React.js**, and **TailwindCSS** 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
- Developed and deployed 5 **Solidity** smart contracts on **Polygon** to reduce gas fees by 90%, while enabling low-cost NFT creation and efficient management, as well as offering club membership and donation functionalities

NFTir *(Golang Back-End)*
(Course Project) – *https://github.com/nftir*

- Developed a high-performing RESTful application server using **Gin-Gonic,** a Golang framework to manage individual NFTs with up to 40 times faster development process and web service performance
- Employed **AWS DynamoDB** to effectively store and manage metadata 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, significantly increasing scalability and efficiency for the application