Nam (Logan) Nguyen – Back End Software Developer

logan@quiet-node.dev | https://quiet-node.dev/ | https://github.com/quiet-node | https://linkedin.com/logann131 | Iowa, USA

SKILLS

- 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
- Deployment | AWS • Google Cloud • Vercel • Netlify • Heroku • Docker • OnRender • CI/CD pipeline

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
- Implemented 3 restful-based microservices for the backend using **Golang** and **MongoDB**, boosting system efficiency by 40% for robust off-chain data management and API services
- Integrated Go-Ethereum's cryptographic functions with Golang-jwt, fortifying industry-leading security measures for user authentication, authorization, and data protection, resulting in a 30% enhancement in overall system security.
- 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
- 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
- Utilized **AWS DynamoDB** to store and manage metadata for individual NFTs from the NFTGo API server, enhancing data retrieval and processing efficiency by 25% within the NFTir project
- Leveraged **AWS EC2, ECR**, and **ECS** to deploy a containerized solution, achieving a 40% increase in scalability and efficiency for the application