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, Algorithms and Data Structures, Front-end Web programming, SQL Database, Capstone

PROJECTS

Spark Your Nobel 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
- 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
- Incorporated advanced security measures by combining the **golang-jwt** library with cryptographic functions from the **go-ethereum** library, ensuring secure user authentication and authorization, as well as safeguarding sensitive data
- Developed and deployed 5 **Solidity** smart contracts on the **Polygon** network, allowing for low-cost and efficient NFT creation and management, as well as supporting club membership and donation functionalities
- Collaborated in an **Agile** work setting, participating in routine standups, sprints, retrospectives, and workload assessments

Calibrated Peer Review *(Java Back-End)*
(Course/Team Project) – *https://github.com/tenbergen/CSC480-22S*

- Collaborated with senior managers from **IBM** and utilized Java framework, **Open Liberty**, to design and develop a full-stack web application aimed at bringing automated calibrated peer review to classrooms at SUNY Oswego
- Recognized as a top-performing back-end developer in a 30-member **Scrum** team, consistently delivering high-quality code and contributing to the team's success in an **Agile** environment
- Implemented **MicroProfile JWT** for role-based user authentication and authorization in microservices
- Developed efficient **restful APIs** to dynamically serve user-driven data and handle HTTP requests for a **React** application

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
- Employed **AWS DynamoDB** 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

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