Nam (Logan) Nguyen

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SKILLS

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

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

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

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