

Nam (Logan) Nguyen

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WORK EXPERIENCE

Full-stack software engineer internship Virginia, United state

Sep. 2022 – Dec. 2022

Jobs4Interns – Domenix

- Migrated codebase from **React class** to **functional components**, improving code maintainability and performance.
- Worked collaboratively with the team lead in an **Agile** environment to develop efficient **restful APIs** utilizing the **MERN stack**, enabling seamless data transfer between front-end and back-end systems
- Implemented **React-Redux** to manage the application state and improve code scalability and organization.

EDUCATION

Green River College Auburn, WA

Jan. 2017 - May 2019

Associate in Arts in Information Technology

CGPA: 3.94/4.00

- Relevant course work: Front-end Web programming, Java OOP, Data Structures, SQL Database

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

- Relevant Courses: System programming (C), Software Engineering (Java, React, Liberty), Algorithms and Data Structures

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

Calibrated Peer Review *(Java Back-End)*

(Course/Team Project) – <https://github.com/tenbergen/CSC480-22S>

- Collaborated with senior managers from **IBM** 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
- Applied token-based authentication mechanisms to all system microservices by integrating **MicroProfile JWT** to authenticate, authorize, and identify users based on different roles
- Developed efficient **restful APIs** to dynamically serve user-driven data and handle **HTTP requests** for a **React** application

Data Analytic Yelp App *(Full-Stack)*

(Course/Individual Project) – <https://github.com/logann131/CSC-365-fullstack-app-III>

- Utilized **Spring Boot framework** to implement a web service that combines Cosine Similarity Metric, hierarchical tree visualization with React+D3.js, and graph theory integration with Dijkstra's algorithm to enhance the search experience
- Utilized **React** and **Typescript** in conjunction with the **Tailwind CSS framework** to upgrade the user interface and deliver a more professional and visually appealing user experience for the full-stack web application

SKILLS

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