




# DANIEL T. NWACHUKWU

Ottawa, ON

☎ +1-3653668152 ✉ [tobechinwachukwu@cmail.carleton.ca](mailto:tobechinwachukwu@cmail.carleton.ca)  [tndaniel](#)  [tobechinw](#)  [tobechinw.github.io](#)

## Education

### Carleton University

September 2020 – December 2024

*Computer Science Honors (Co-op) with Minor in Statistics*

*Ottawa, ON*

- **CGPA: 11.33/12 (A+)**
- **Relevant Coursework:** Data Structures, Database Systems, Design and Analysis of Algorithms, Introduction to Software Engineering, Operating Systems, Regression Analysis, Web Development

## Technical Skills

**Languages:** C, C++, Java, JavaScript, Python, Ruby, Swift, TypeScript

**Frameworks:** ExpressJS, NextJS, NodeJS, ReactJS, React Native, Ruby on Rails, Spring Boot, Tailwind CSS

**Databases:** Cassandra, MongoDB, MySQL, PostgreSQL, Prisma, SQLite

**Tools/Environment:** AWS, Confluence, Git, Gitlab CI/CD, Grafana, Jira, Jest, Linux, Mocha, Prometheus

## Work Experience

### Searidge Technologies - Software Developer

May 2022 – December 2022

*Node.js, Mocha, Jest, Prometheus, Grafana, GitLab CI/CD*

- Utilized **Mocha** and **Jest** to attain **85% unit test coverage** across **REST Data API** and **React** applications, and set up **CI/CD pipelines** with **Gitlab CI** for **automated** code quality checks
- Implemented a cost-effective metrics monitoring solution using **Prometheus** and **Grafana**, reducing costs on monitoring by over **80%**
- Utilized **Docker** and **Kubernetes** for efficient deployment and orchestration of **Prometheus** and **Grafana** containers, resulting in enhanced scalability and operational efficiency
- Leveraged **Helm Charts** to deploy the containers onto a **Kubernetes** cluster, enabling easy management, scalability, and portability of the monitoring infrastructure

### Shell Plc - Web Developer

May 2023 – September 2023

*Node.js, Express.js, React.js, MongoDB, Jest*

- Developed a full-stack web application to effectively solve a room management challenge for offshore workers, resulting in substantial time savings and enhancing operational efficiency
- Implemented secure user authentication using **Bcrypt** and **JWT** for restricted actions
- Automated manual Microsoft Excel processes, reducing check-in and out times by **97%** and achieving **95%** time savings
- Attained **80% test coverage** using **Jest**, ensuring application robustness and functionality

### Teaching Assistant

September 2023 – Present

*JavaScript, Node.js, SQLite, Express.js*

- Leveraged my experience in **HTML**, **CSS**, **JavaScript**, and **Node.js** as a teaching assistant for a second-year web development course
- Assisted students through tutorial sessions in grasping fundamental web development concepts, troubleshooting code, and fostering a collaborative learning environment
- Graded assignments and provided comprehensive feedback to students, promoting a deeper understanding of course material and facilitating academic growth

## Projects

### Project Issue Tracker

**Tools:** Next.js, TypeScript, MySQL, Prisma, Sentry, Tailwind CSS

- Implemented a **Next.js**-based issue tracking and management application accommodating individual and team projects
- Employed **MySQL** for persistent data storage, optimizing task and issue management
- Integrated **Prisma** for efficient **ORM** management and **NextAuth** for secure user authentication and **OAuth** implementation
- Integrated **Sentry** for error tracking and monitoring, facilitating prompt error resolution and system stability