

Promise Eskor Ononokpono

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EDUCATION

Bachelor of Science in Software Engineering, GPA: 4.0

01/2021 – 12/2025 | Fredericton, NB

University of New Brunswick

Relevant Coursework: Data Structures and Algorithms, Operating Systems (OS), Complexity Analysis, Job Scheduling.

SKILLS

Programming Languages: C, Java, Python, JavaScript, TypeScript, C#, Kotlin, HTML, CSS, SQL

Developer Tools/ OS: Git, Docker, Azure (Container Apps, Kubernetes), MySQL, Firebase, Selenium, Linux, Windows, PostgreSQL

Software/Frameworks: Node.js, React, Spring Boot, Jira, Confluence, Slack

PROFESSIONAL EXPERIENCE

Software Dev Engineer Intern

05/2024 – 12/2024 | Fredericton, NB

UNB Alloy Design Research Laboratory

- Applied problem solving and analytical skills to develop a Python-based software application from an existing MATLAB proof of concept, integrating 10+ material simulation models, including machine learning models, to enhance research efficiency in alloy design.
- Engineered the software to be easily scalable by the research team using object-oriented design, modular and layered architecture, well-documented code and providing detailed documentation on how to update highlighting technical and documentation skills.
- Built the graphical user interface using open source libraries (PySide and Plotly), providing a modern yet simple design with enhanced data visualization abilities, thereby eliminating the need for researchers to manually create graphs, saving them valuable hours in time.
- Packaged and deployed the software using PyInstaller, ensuring seamless installation and distribution for end users.
- Rapidly adapted to new technologies, independently learning and applying PySide, Plotly, and modular software design for the first time to develop a fully functional application, demonstrating curiosity and an eagerness to learn and grow.

Quality Assurance (QA) Intern

09/2022 – 04/2023 | Remote

Global Vision (GVD)

- Acted independently to solo-develop and deploy a system health checker application using PowerShell scripting, optimizing 20,000+ client environments for GVD software validation, cutting validation bugs by 50% and showing a willingness to take on new challenges.
- Spearheaded a key phase of in-house software validation for the GVD 5.12.0 release, demonstrating leadership and ownership in ensuring software reliability and a smooth release cycle.
- Designed, implemented, and maintained 150+ daily automated user interface (UI) testing scripts, including regression tests in Java/Selenium, significantly improving testing efficiency and ensuring highly reliable software.
- Collaborated cross-functionally in an Agile remote environment, actively participating in Scrum, Daily's, Sprint Planning, and Retrospectives, fostering an environment of teamwork and humility whilst displaying excellent verbal communication skills.

PROJECTS

Fun2Learn

React, JavaScript, SQL, Node.js, Azure, HTML, CSS, REST, Docker, Firebase

- Developed a creative and research-driven gamified time management system using modern tech stacks like React, Node.js and REST APIs to ensure a smooth and responsive user interface (UI), enhancing student productivity and reducing academic stress.
- Integrated Firebase authentication with Node.js and Azure, enabling seamless and secure user sign-ups while adhering to COPPA guidelines and secure coding best practices.
- Leveraged Azure cloud services, including Blob Storage and SQL, to ensure scalable data storage and efficient multi-user management.
- Containerized the front and back end with Docker, facilitating seamless scalability and deployment on Azure Container Apps to support over 1,000 concurrent users.

Shopping System

Java, Azure, MySQL, Spring Boot, HTTP

- Architected a microservice-based system in Java, structuring it into four core services (catalogue, user management, shopping cart, and payment), improving scalability and reducing service coupling.
- Implemented design patterns such as the factory, state and command patterns, enhancing system maintainability and enabling faster feature development.
- Effectively utilized RESTful APIs to enable seamless communication between microservices, reducing data retrieval times by 25% and ensuring high interoperability.
- Integrated and managed a dedicated MySQL database service, supporting 5,000+ concurrent transactions while maintaining data consistency and integrity.