

# Promise Eskor Ononokpono

*Innovative developer blending creativity and engineering to craft seamless enterprise solutions*

promiseono@gmail.com | (506)-429-2882 | Toronto, ON | [linkedin.com/in/promise-eskor](https://www.linkedin.com/in/promise-eskor) | [github.com/pononokp](https://github.com/pononokp)

Portfolio: [promiseono.vercel.app](https://promiseono.vercel.app)

## 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, OO Programming, RDBMS, Agile methodologies, Software Development

## SKILLS

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

**Developer Tools/ OS:** Git, Docker, Azure, AWS, MS SQL, Firebase, Selenium, Linux, Windows, PostgreSQL, Jenkins

**Software/Frameworks:** Node, React.JS, Java Spring Boot, NestJS, ASP.NET, Flask, TailwindCSS

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern


05/2024 – 12/2024 | Fredericton, NB

UNB Alloy Design Research Laboratory 

- Collaborated with engineering researchers to scope, plan and execute the migration of a **MATLAB** data analytics application to **Python**, exceeding performance benchmarks by over **75%**.
- Applied **test-driven development** (TDD) practices and actively participated in **code reviews** to ensure the **Python** software consistently aligned with the MATLAB application throughout each stage of development.
- Designed and coded a research-styled graphing system with **Plotly**, eliminating manual graph creation and saving researchers time.
- Designed and developed high-performance, scalable software components, including **10+** material simulation and constitutive **models** that reduced alloy design and analysis time by **80%**.

### Quality Assurance Intern

09/2022 – 04/2023 | Remote

Global Vision (GVD) 

- Acted independently to solo-develop a system health checker application using **PowerShell** scripting, optimizing **20,000+** client environments and reducing validation bugs by **95%**.
- Led a key phase of in-house software validation for the **GVD 5.12.0** release, ensuring software reliability and a smooth release cycle.
- Designed, implemented, and maintained **150+** daily automated UI testing scripts (including integration and unit tests) using **Java**, **Selenium** and **Jenkins**, improving software reliability by reducing critical bugs by **90%**.
- Collaborated cross-functionally with multiple teams in an **Agile** remote environment, participating in Scrums and providing updates.

## PROJECTS

### Flow

02/2025 – present

*Python, Flask, React, TypeScript, Fast API, WebSocket, PostgreSQL, Docker, asyncio, AWS*

- Developing a real-time audio translation system using **Python/FastAPI** and **WebSockets** to stream text from speech-to-text (STT) translation and text-to-speech (TTS) processing.
- Optimizing the system's performance with **AWS Lambda** for serverless function execution, **EC2** for scalable compute resources and **CloudWatch** for real-time monitoring of latency and performance.
- Utilizing **SQS** to queue translation and TTS tasks, ensuring smooth and efficient data flow while reducing end to end latency to **700ms**

### Fun2Learn

09/2024 – 03/2025

*React.JS, JavaScript, MS SQL, Node, Azure, HTML, CSS, REST, Docker, Firebase*

- Collaborated to develop a research-driven gamified time management system using **React.JS**, **Node**, and **REST APIs**, enhancing student productivity for university students.
- Integrated **Firebase** authentication with **Node** and **Azure MS SQL**, enabling secure user sign-ups and adhering to COPPA guidelines.
- Implemented **AI**-generated positive reinforcement messages using **LLM API** endpoints based on user statistics to enhance motivation.
- Containerized the application with **Docker** for scalable deployment on **Azure** Container Apps, supporting **1,000+** concurrent users.

## EXTRA CURRICULAR

- Coach, Intramural Soccer Team at UNB:** Mentor student-athletes, fostering teamwork, resilience, and a winning mindset.
- Youth Leader, Smythe Church:** Guide young people, fostering confidence, leadership, and personal growth in a community.
- STEM Instructor, Snapology:** Equip the next generation with critical thinking and problem-solving skills, making STEM engaging and accessible for future success.