Gabriel Mendes Rodrigues

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Education

New Brunswick Community College (NBCC) — **Expected Graduation: July 2026**
Diploma of Information Technology: Software Development — *Fredericton, NB*

- Courses: Software Engineering, Object-Oriented Programming, Server Side Web, JavaScript Programming, Database Design and SQL, Embedded Systems, Computer Math and Statistics, Responsive Web Design, Operating System Concepts

Personal Skills

Proactive | Learning ability | Organized | Teamwork | Self-Motivated | Customer service | Communicative | Focused | Efficient | Decisive | Strategic | Adaptable

Work Experience

East Side Mario's — **Sep 2024 – Present**
Service Guest Server — *Fredericton, NB*

- **Customer service** oriented by actively **listening** to customer needs.
- **Empathy** and **professionalism** when handling high-pressure customer interactions
- Built lasting relationships through consistent **reliability** and **communication**
- Contributed to a positive environment and shared knowledge to enhance **team performance** and **teamwork**
- Managed multiple priorities simultaneously in fast-paced environments while maintaining **accuracy** and **attention to detail**.
- Stayed **focused** on what was most **important**, handling urgent tasks first to keep everything moving smoothly.
- **Adapted** quickly to new tools, procedures and challenges to maintain efficiency and deliver consistent results.

Projects

Alarm Control Node | *Source Code* — **C++ | Embedded Systems**

- Built an **ESP32-based alarm system**, using a **Finite State Machine (FSM)** to manage system states and alarm logic.
- Integrated **sensors and actuators** (PIR Motion sensor, button, buzzer, LED, I2C LCD) for real-time monitoring and user interaction.
- Implemented **Wi-Fi connectivity and Discord webhook notifications** for remote alerting with a **modular C++ architecture** using PlatformIO.

Game Store | *Source Code* — **C# | .NET | Blazor**

- **Full-stack** development and design of a game store **CRUD-based** web application using **C#**, **Blazor**.
- **API** design and implementation with **Frontend** and displaying it with a responsive, user-friendly UI.
- Clear distinguish between **Frontend** and **Backend**

Bio Generator App | *Source Code* — **JavaScript | React | NodeJS | Gemini**

- **Full-stack** development of a Biography app that integrates the **Gemini API** to generate a user biography.
- Implemented **JSON** parsing to display biography information in a user-friendly UI.

Technical Skills & Other Qualifications

Programming Languages: C#, SQL, JavaScript, Java, C++, Python, PHP

Developer Tools: Git, Oracle SQL, MSSQL, MySQL, AWS

Libraries/Frameworks: .NET, SpringBoot, Blazor, TailwindCSS, BootStrap, React, JQuery, NodeJs, Express.Js

Other Tools: Jira, Word, Excel, Powerpoint, Photoshop, Illustrator, Premier Pro

Languages: Fluent in English and Portugue, Intermediate in Spanish, Beginner in French