

# Jose Britto Saaji *Software Developer*

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## Highlights of Qualifications

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- Proactive, inventive, flexible, teamwork-oriented with strong communication and cooperation skills.
- **Worked as a freelance developer** where I gained valuable experience in managing client expectations and working with time and budget constraints.
- Participated in the **IEEEExtreme** 24-hour Competitive Programming competition in October 2023 and 2024, **ranking 8th and 5th in Canada** respectively.
- Volunteered to help **maintain a successful open-source budget tracking application**, Denaro.
- Proficient with **Git** version control system and **SQL** Databases.
- Comfortable various technologies including **HTML, CSS, Javascript, Java, C#, Bash, Python, PHP**, etc.
- Experience working with and **maintaining Linux hosting environments** and desktop systems.
- Worked with cloud platforms like **AWS** and **Oracle Cloud**.
- Have a strong understanding of object-oriented design patterns and techniques.

## Professional Experience

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### Web Developer (Contractor)

Ongoing | Mississauga, ON

*Canadian Stud Welding and Supply Inc.*

- Updated and improved a **legacy PHP website**.
- Improved responsiveness and SEO ranking.
- Worked with GoDaddy to resolve some issues that had built up over the years.
- Introduced git and version control strategies.
- Maintained **transparent communication about the technical work with the non-technical client**.

### Freelance Developer

May 2022 – November 2022

- Worked as a freelance discord bot developer for a few months after high school before starting college.
- Collaborated with clients to deliver a diverse range of **Discord bots**.
- Engaged in frequent feedback sessions to meet client demands.
- Managed project timelines and budgets, consistently meeting deadlines.
- Used **C# and .Net** to develop Discord bots.
- Configured **Linux**-based hosting environments depending on client needs.

## Awards and Achievements

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### Dean's Honour List

*George Brown College*

Awarded with a place in the Dean's Honour List for **all semesters**

### IEEEExtreme Programming Competition

*Institute of Electrical and Electronics Engineers (IEEE)*

Ranked **8th in Canada** and **top 5% globally** for the IEEEExtreme 2023 Competition

### IEEEExtreme Programming Competition

*Institute of Electrical and Electronics Engineers (IEEE)*

Ranked **5th in Canada** and **1st in George Brown** for the IEEEExtreme 2024 Competition

## Education

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### Computer Programming and Analysis

January 2023 – April 2025 | Toronto, Canada

*George Brown College*

- Enrolled in a rigorous three-year program emphasizing software development, computer programming, mobile app development, database management, full-stack development, and AI/machine learning strategies.

## Technical Skills

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### Languages

C#, Java, Python, PHP, Javascript, HTML, CSS

### Frameworks / SDKs

ASP.NET, React, React Native, Android SDK

### Cloud Hosting

AWS, Oracle Cloud, Azure

### Operating Systems

Windows (desktop), Arch Linux, Debian, Ubuntu

### Database

Postgres, MongoDB, MySQL, MariaDB, Sqlite

### Version Control & CI/CD

Git, Github Actions, Jenkins

## Personal Projects

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### Denaro

August 2023 – present

*Personal Finance Management Application*

<https://app.britto.tech/denaro>

- **Volunteer co-maintainer** for the project with **60k+ downloads** and **500+ GitHub stars**.
- Identified and fixed critical bugs, enhancing stability and performance.
- Used **C# and .NET** for development adhering to GNOME's HIG for compatibility with Linux desktops.
- Used **Sqlite** database for efficient storage of account information.
- Engaged with the user community and contributed to code reviews and discussions.

### Shorty

*A simple url shortner with a clean UX*

<https://shorty.britto.tech/>

- Used **C# and ASP.Net** to create a URL shortner website following MVC patterns.
- Used **sqlite database** for data storage.
- Used **EF Core** to interact with the database, making it easier to switch to a different database when needed.
- Provides docker images to self host easily.

### Weather App

<https://britto.tech/Simple-Weather>

- Delveloped a clean and easy to use weather app using **Reactjs**.
- Uses OpenWeatherAPI to fetch the most accurate data for the user's location

### Retro Cli

<https://cli.britto.tech>

- An old school style terminal written from scratch using vanilla css and javascript.
- Achieves all the effects and visuals using only css.
- No libraries used and zero dependencies.

### Game of Life

*A recreation of Conway's Game Of Life*

- Developed a Conway's Game of Life clone from scratch utilizing Unity game engine and C#.
- Implemented cellular automaton algorithms to simulate lifelike behaviors and patterns within a virtual environment.
- Leveraged object-oriented programming principles to create modular and extensible codebase, enabling easy maintenance and future enhancements.