

# Jose Britto Saaji *Software Developer*

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## Objective

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Experienced and enthusiastic student with proven strong software development and maintenance skills seeking an internship position that allows me to strengthen my skills while contributing positively to the company goals.

## 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 **ranked 8th in Canada**.
- 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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### Student Tutor (Volunteer)

May 2023 – present

- Volunteered as a tutor at George Brown College, providing academic support and guidance to fellow students in a variety of subjects including **DSA, Linux and various programming languages**.
- Demonstrated **strong communication and interpersonal skills** by effectively explaining complex concepts and assisting students in problem-solving.
- Adapted tutoring techniques to accommodate diverse learning styles and individual student needs, fostering an inclusive and supportive learning environment.
- Collaborated with faculty members to identify areas of improvement and develop targeted tutoring strategies to address student challenges.
- Contributed to the academic success of peers by empowering them with knowledge and skills necessary to excel in their coursework.
- Received positive feedback from students for dedication and easy to understand explanations.

### Freelance Developer

May 2022 – November 2022

- Collaborated with clients to deliver a diverse range of **Discord bots** (e.g., music and matchmaking bots, web scrapers, NFT bidding and NHL simulation bots) and minecraft mods.
- Maintained strong client communication to address technical challenges.
- Engaged in frequent feedback sessions to meet client demands.
- Ensured bot integration with Discord's API and exceptional user experiences.
- Kept bots up-to-date with API changes, ensuring reliability.
- Maintained mods to ensure that bugs are addressed in a timely manner and ensured compatibility with targeted game versions.
- Managed project timelines and budgets, consistently meeting deadlines.
- Used **C# and .Net** to develop Discord bots and **Java** for minecraft mods.
- Configured **Linux**-based hosting environments depending on client needs.

## Notable Personal Projects

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### Denaro [↗](#)

August 2023 – present

*Personal Finance Management Application*

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

- **Actively** involved in **maintaining** the project with **60k+ downloads** and **500+ GitHub stars**.
- Identified and fixed critical bugs, enhancing stability and performance.
- Implemented comprehensive unit tests.
- Used **C# and .NET** for initial development adhering to GNOME's HIG for compatibility with Linux desktops.
- Used **Sqlite** database for efficient storage of account information.
- Currently involved in optimizing and rewriting the codebase in **C++** to leverage Linux's superior c++ ecosystem, reducing custom solution development time and accelerating application development.
- Actively involved in the issue tracker, addressing issues, assigning tasks, and ensuring timely resolutions.
- Engaged with the user community, addressing user concerns, providing relevant updates, and helped create a good public image for the project.
- Contributed to code reviews and discussions about development technologies and the direction of the project.

### Shorty [↗](#)

*A simple url shortner with a clean UX*

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

- Used C# and ASP.Net to create a simple URL shortner website
- Followed MVC patterns to make it easier to scale and maintain
- 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

### Esoteric Language Interpreter [↗](#)

August 2022 – September 2022

*An interpreter for an esoteric programming language*

- Developed a fully functional interpreter for an esoteric programming language using C#.
- Implemented parsing and execution logic to interpret code.
- Ensured code quality by adhering to OOP best practices.
- Documented the project thoroughly, including usage instructions and code comments for ease of understanding and collaboration.

### 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.
- Designed and optimized the game algorithms to run blazing fast.
- Leveraged object-oriented programming principles to create modular and extensible codebase, enabling easy maintenance and future enhancements.

## Education

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### Computer Programming and Analysis

January 2023 – April 2025 | Toronto, Canada

*George Brown College*

## 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