# Brian Maleki

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## RELEVANT SKILLS

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|---|---|
| **Languages** | TypeScript, JavaScript, C++ |
| **Web** | React, Next.js, Express.js, Tailwind CSS, Storybook, HTML, CSS |
| **Database** | SQL, MongoDB, Xata, RESTful API |
| **Other Technologies** | React Native, Node.js, Jest, Git, Figma |

## PROJECT EXPERIENCE

**Saku (Discord Bot)** 🔗      Sep 2023 - Jan 2024

- Developed a bot that became an essential tool for a Discord community of over **400 members**
- Receives upwards of **300 database queries** per month, each being individually called by users
- Making use of the Discord.js library, the bot was coded entirely using JavaScript and Node.js
- Interacted with external APIs using Axios to retrieve and store data into a MongoDB database
- Implemented a function capable of extracting and storing data from an image. To achieve this, Jimp was utilized for image processing, and Tesseract.js, an OCR engine, for text extraction

**Maple Symbols** 🔗      Jun 2023 - Dec 2023

- Launched a website which serves as a calculator and guidebook for MapleStory, a video game
- Built using React and TypeScript to ensure type safety and improve the developer experience
- Designed the UI from scratch, using Tailwind CSS and custom transitions for an enhanced UX
- Refined the user experience with the help of suggestions and criticism from testing sessions
- Deployed on Firebase, currently attracting an average of **295 monthly users** from **30+ countries**

**Rental Property Directory** 🔗      Feb 2020 - Apr 2020

- Created a website where users can explore an expansive collection of rental property listings
- Rendered the UI with HTML and used Handlebars.js to manage the screens and templates
- Engineered the back-end with Javascript and its associated frameworks and libraries, being: jQuery (Validation & Event Handling), as well as Express.js (Routing & User Authentication)
- Persisted data with MongoDB and performed CRUD operations via AJAX using RESTful API

## WORK EXPERIENCE

**PharmAchieve**      Feb 2019 - June 2019
*Video Editor, Graphic Designer*      Toronto, ON

- Handled video editing and graphic design tasks for pre-recorded online lectures and streams
- Encoded raw video using FFmpeg for greater device compatibility and a smaller file size
- Utilized DaVinci Resolve for video cleanup, inserting text and media, and audio level balancing
- Worked with CSS to create fluid, web based animations which were imported into OBS scenes
- Uploaded final lectures and made them accessible to over **1000 students** enrolled in courses

## EDUCATION

**Seneca College, Computer Programming and Analysis**      Sep 2019 - Apr 2022
*Ontario College Advanced Diploma*      Toronto, ON

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|---|---|
| Object-Oriented Development Using C++ | (Multithreading, Pointers, Interfaces, Templates) |
| Web Programming for Apps and Services | (JavaScript, React, Node.js, Next.js, Express.js) |
| Advanced Database Services | (SQL, PL/SQL, MongoDB, Oracle, Db2, Azure) |
| Project Planning and Management | (Git, Visual Paradigm, Use Cases, CBA, WBS, UML) |