

# ALEX MOICA

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## **CONTACT**

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## **PORTFOLIO**

**WWW** [alexmoica.com](http://alexmoica.com)  
**GIT** [github.com/alexmoica](https://github.com/alexmoica)  
**LI** [linkedin.com/in/alexmoica](https://linkedin.com/in/alexmoica)

## **EDUCATION**

McMaster University  
**2017-2023**  
BEng in Software Engineering

## **SKILLS**

C#  
C  
Python  
Ruby  
Java  
SQL  
HTML  
CSS  
JavaScript  
REST API  
Node.js  
React  
Django  
Ruby on Rails  
PostgreSQL

## **PROFILE**

Software developer with full stack experience and a strong understanding of popular programming languages, web technologies, databases, and frameworks. Actively working on personal projects to develop new skills and skilled in team leadership, project management, and creative problem-solving.

## **EXPERIENCE**

### **Software Developer**

#### **Clio > 1/2022 – 8/2022**

- Collaborated within a team to develop Clio's Outlook add-on, facilitating the seamless filing of millions of emails to Clio's management platforms for lawyers.
- Developed and implemented an endpoint feature for selective re-filing of individual emails, improving user control and addressing a key user pain point.
- Investigated and documented the top 20 most frequent bugs logged for the Clio Outlook add-on, along with their probable causes and suggested fixes.

### **Full Stack Course Developer**

#### **CreationCamp > 9/2021 – 1/2022**

- Developed and taught a full stack web development course for high school students, covering HTML, CSS, JavaScript, MongoDB, Express, React, and Node.js.
- Mentored students through weekly individual projects and a collaborative project using the MERN stack.
- Designed and developed 4 modular template websites for use in web development workshops, which were subsequently utilized in numerous workshops for 40+ high school students.

### **Cloud Software Developer Intern**

#### **SOTI > 5/2021 – 8/2021**

- Worked within an agile team on pipeline management, CMS APIs, and test coverage.

MySQL  
Linux (Ubuntu/Debian)  
Git  
Jira  
CI/CD

## **LANGUAGES**

English (Fluent)  
Romanian (Fluent)  
French (Conversational)  
Japanese (Basic)

## **INTERESTS**

Space Exploration  
Reading  
Guitar  
Badminton  
Muay Thai

- Migrated the framework for the Cloud Management System solution to .NET, resolving dependencies and addressing library issues for 84 different projects.
- Implemented application-side caching, reducing SQL server calls from thousands to under 100 per minute.

## **President**

### **McMaster Engineering Society > 3/2020 – 3/2021**

- Directed the MES vision for the upcoming year and led the executive team to manage a three-quarter million dollar budget to enhance student education and support various areas such as wellness, advocacy, events, and engineering culture.
- Represented 5500+ students to McMaster University and provincial/federal organizations on academic and social matters.

## **PROJECTS**

**Utrition (2023):** Open-source project for tracking health goals. Users can upload pictures, speak, or type their meals in natural language. Utrition provides nutritional data, saves it in the user's profile, and offers visualizations to track nutrition goals. **Stack:** Python, Flask, JavaScript, React, HTML/CSS, AJAX, Tensorflow, Git

**Questly (2022):** Web application for middle school teachers to deliver computer science education. It provides an online classroom management system, grade-specific modules, assessments, walkthroughs, progress tracking, and grade reporting. **Stack:** Python, Django, JavaScript, HTML/CSS, PostgreSQL, Git

**Ebook Genesis (2021):** Python bot that finds and downloads ebooks from IRC channels using existing repositories and Direct Client-to-Client sub-protocol. One of the only open-source IRC ebook bots. **Stack:** Python

**alexmoica.com (2020):** Personal professional website created to enhance internet presence and showcase skills to potential employers. **Stack:** HTML/CSS, JavaScript

Explore more projects on [alexmoica.com](https://alexmoica.com)