

# Ryan Guzelian

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## Education

**McGill University** Montreal, 2025-2026  
Graduate Certificate in Cybersecurity

**Concordia University** (GPA: 3.64) Montreal, 2021-2025  
B.Eng in Software Engineering (With Distinction, Co-op)

**Collège de Bois-de-Boulogne** Montreal, 2019-2021  
DEC in Computer Science and Mathematics

**Languages** English, French, Arabic, Armenian: Fluent

## Technical skills

**Languages:** Java, JavaScript, TypeScript, C#, Python, C++, Bash

**Tech Stack:** React.JS, Express.JS, React Native, Node.JS, .NET, Entity Framework, RabbitMQ, MassTransit, AWS, JUnit, Jest

**Databases:** **SQL:** MySQL, PostgreSQL / **NoSQL:** MongoDB

**Dev Tools:** Git, Postman, JIRA, Docker

**Methodology:** Test Driven Development, Agile Development

**Architectures:** Model View Controller, Microservices, Monolithic

## Professional Experience

### DataAnnotation - Software Developer

**Montreal, Canada** May 2025 - Present

- Developed tools and frameworks to evaluate large language models (LLMs) on tasks such as summarization, question answering, and code generation.

### Dormakaba - QA Automation Intern

**Montreal, Canada** May 2025 - Aug. 2025

- Improved automation infrastructure by **porting** current tools from **Linux to Windows** to use on Raspberry PI 4.
- Developed automated tests to handle audit report testing using **Java RestAssured**.

### Dormakaba - C# Development Intern

**Montreal, Canada** May 2024 - Dec. 2024

- Developed and maintained backend **API** calls using **C#** and **.NET** within a microservice architecture, utilizing a **RabbitMQ bus** for communication.
- Collaborated with cross-functional teams to identify and resolve bugs in both **frontend** (Angular JS - TypeScript) and **backend** (.NET - C#) applications.
- Researched compatibility of newer library versions within current software to determine most optimal versions to use, and **gained up to 30% in message throughput**.

### Pratt and Whitney Canada - Programmer Analyst Intern

**Longueuil, Canada** May 2023 - Aug. 2023

- Evaluated emerging technologies** for alignment with business needs and collaborated with cross-functional teams to assess their feasibility and relevance in Pratt & Whitney's application development strategies.
- Analyzed messaging technologies (e.g., **RabbitMQ, Amazon SNS, SQS**) to improve interservice communications and data exchange through the orchestration and implementation of microservices leveraging **.NET**.
- Contributed insights to application development reference architecture discussions with solution architects in order to **eliminate custom libraries** for market standards.

### CAE - Full Stack Developer Intern

**Montreal, Canada** Sep. 2022 - Dec. 2022

- Revamped an internal **inventory management system** with the help of a senior developer using **React JS, .NET** and **SQL** in order to increase usage by factory employees.
- Maintained open and effective **communication with business analysts** to ensure the alignment of web applications with our clients' vision, thus enhancing user satisfaction.
- Fixed various **frontend bugs** in different applications built using **React JS**.

## Additional Projects

### MedcaConnect

- Integrated **video calling** and **live messaging** features through **Agora** libraries in the **React Native** application.
- Implemented **JWT** authentication to enhance the security of the platform and reduce communication complexity.
- Containerized** multiple services using **Docker** for ease of environment setup across different development environments.
- Created a **scalable microservice architecture**, dividing the platform's functionality over 4 services.

### Condo Management System

- Developed a **complete API solution** in **Next JS** containing over **50 API calls**.
- Came up with the full **SQL database schema**, and overseered its hosting on **Supabase**.
- Managed the deployment of the app using **Vercel**.

### Exam Attendance Recording System

- Designed and built a hardware board using **Arduino libraries in C++** integrated with a **MiFare card reader**.
- Created a companion **web application** using **React.js** (frontend) and **Express.js** (backend API)
- Deployed the solution on **Amazon AWS EC2** for hosting and remote access