

Daniel Ibanescu

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Education

Toronto Metropolitan University

BSc Honours, Computer Science

September 2022 - June 2026

Toronto, Canada

Relevant Coursework: Computer Science I, Computer Science II, Ethics

Awards: Entrance Scholarship

Experience

Metropolitan Aerospace and Combustion Hub (MACH)

Transfer & Control Software Lead

September 2022 - Present

Toronto, Canada

- Responsible for everything lol

Robotics For All

Software Development Team Member

January 2020 - September 2022

Remote

- testing testing 123

Projects

Substitute Teacher Contactor

Robotics For All

TypeScript, Node, Docker, Slack Bolt

- Developed a Slack application/integration to simplify the substitution process for teachers
- Utilized a Google Sheet and Cloud API to retrieve available volunteer teachers and coordinators
- Coordinators can make class requests in a Slack dashboard with specific details, which are stored in a PostgreSQL database for further data analysis.
- Teachers can use the Slack dashboard to accept requests and contact coordinators for more information
- All management can be done within Slack, without the need for further configuration
- Deployed using AWS ECR/ECS on an EC2 instance connected to an RDS database.

Simple Notes

Collaborative Personal Project

Go, Postgres, Docker

- Designed and developed a simple notes application backend with a full CRUD API using GoFiber and PostgreSQL.
- Utilized an ORM for general queries and raw SQL for custom and complex queries, ensuring efficient database operations.
- Deployed the application on Heroku to enable access to users from anywhere, at any time.

Skills

Technical Skills: C/C++, JavaScript/TypeScript, Python, HTML/CSS

Tools: AWS, Docker/Compose, Git/Github, L^AT_EX, PostgreSQL, Linux