Daniel Ibanescu

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Skills

Technical Skills: C/C++, JavaScript/TypeScript, Python, HTML/CSS
Tools: AWS, Docker/Compose, Git/Github, LaTeX, PostgreSQL, Linux
Languages: English, Romanian, French, Spanish

Education

Toronto Metropolitan University September 2022 - June 2026
Candidate for BSc Honours, Computer Science *Toronto, Canada*
Relevant Coursework: Computer Science I, Computer Science II, Ethics
Awards: Entrance Scholarship

Experience

Metropolitan Aerospace and Combustion Hub (MACH) September 2022 - Present
Transfer & Control Software Lead *Toronto, Canada*

- Experienced in coding with Arduino to control industrial or experimental processes.
- Proficient in processing sensor data on a computer using a LabJack data acquisition unit and developing GUIs for data visualization.
- Continuously involved in team management, including task delegation, scheduling and running meetings.

Robotics For All January 2020 - September 2022
Software Development Team Member

- nitiated collaborations with school districts in Southern California via cold emailing.
- Led the development of integrations within their Google Drive and Slack workspaces.
- Gathered feedback and iterated on designs with volunteers to deliver high-quality software solutions.

Projects

Substitute Teacher Contactor TypeScript, Node, Docker, Slack Bolt
Robotics For All

- Developed a Slack application/integration that retrieves available volunteer teachers and coordinators from a Google Sheet using their Cloud API, simplifying the substitution process for teachers.
- Managed all aspects of the system within Slack, without the need for further configuration.
- Deployed the system using AWS ECR/ECS on an EC2 instance connected to an RDS database.

Simple Notes Go, Postgres, Docker
Collaborative Personal Project

- 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.