

# William Kennedy

**Power Platform Developer** at Transport Canada and **Full-Stack Developer** with two years of experience in developing, testing, and deploying scalable applications in fast-paced environments. Skilled in **Power Apps** and **Dataverse**, with a solid foundation in **cloud-based** web development, user interface design, and backend integration.

## EDUCATION

**Queen's University**, Kingston ON — *B.A.Sc Computer Engineering*  
September 2018 - April 2023

## CERTIFICATIONS

**PL-900: Microsoft Power Platform Fundamentals**

## WORK EXPERIENCE

**Transport Canada**, Toronto ON - *Power Platform Developer, Aircraft Services Portfolio*

March 2024 - Present

- Configured and customized Aircraft Service's Quality Assurance and Safety Management **Model-Driven and Canvas Power Apps**, integrating **JavaScript**, **Power Automate Flows**, **Dataverse**, security management including **Azure EntraID**, **XrmToolBox** to enhance functionality and streamline processes.
- Acted as a data analyst in migrating **ASD Data Lakehouse to new Medallion Architecture**, optimizing data delivery efficiency for clients and internal departments. This involved **integrating third-party SAS**, building data models with **Python/SQL**, and leveraging various Azure services such as **Blob Storage**, **Databricks**, and **Event Grids** for automated data ingestion.
- Developed detailed **PowerBI** reports using **Azure DevOps** data to monitor and improve resource efficiency and accuracy across multiple projects and teams.

**CarbonGraph**, Toronto ON - *Full Stack Developer*

January 2022 - April 2023

- Spearheaded the front-end development during the company's pivotal re-design of its graph model product using the **PostgreSQL**, **Express**, **React**, and **Node** stack, contributing to our inclusion in **Foresight's Canada's Top 50 "Most Investable" Clean-Tech Firms**.
- Designed and implemented multi-tenant authentication systems, fortifying site-wide security by leveraging **cookies** and **JWT tokens**.
- Engineered and rigorously tested APIs using **TRPC.IO**, enhancing type safety and optimizing backend-frontend communication.
- Acquired comprehensive knowledge of **AWS ECS** through hands-on experience deploying front-end and back-end containers, creating Lambda functions, and troubleshooting API logs.

**Rio Tinto**, Kitimat BC - *Automation Engineering Intern*

May 2021 - August 2021

- Collaborated with the automation team to **elevate the aluminum smelting plant's overall efficiency, safety, and sustainability** through the deployment of cutting-edge industrial technology.
- Led a significant summer **project worth over \$200,000**, focusing on integrating **industrial machine vision** into the anode production line. Automated the evaluation of anode stems for visual deformities.
- Navigated an extended strike** with limited resources, maintaining deadlines despite long hours and heightened workload.

## CONTACT

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## TOOLS

|             |                   |
|-------------|-------------------|
| React       | REST API          |
| NodeJS      | Postgres          |
| JavaScript  | MongoDB           |
| TypeScript  | AWS               |
| HTML        | Responsive Design |
| Redux       | Data & Algorithms |
| CSS         | Testing           |
| TailwindCSS | Agile             |
| Python      | GitHub            |
| PowerBI     | Postgres          |
| Power Apps  | Power Automate    |
| Databricks  | Azure Storage     |
| CI/CD       |                   |

## SOFT SKILLS

Time-Management  
Organized  
Coachable & Receptive  
Team Collaboration

## PROJECTS

- Portfolio Website**  
<https://18wsk.github.io/Portfolio>
- QuizIt AI**  
Custom quiz-generating game utilizing the ChatGPT model.  
<https://quizit-ai.netlify.app>
- TheGrizzlyGrill**  
Freelanced custom website for local restaurant.  
<https://thegrizzlygrill.ca/>