

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, backend integration and PowerBI.

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

- Currently designing and developing a **secure national Training Registry Model-Driven App** featuring advanced **JavaScript-driven dynamic forms and hierarchical data segregation based on organizational roles**. Integrated with third-party systems to track and ensure ASD employee compliance with Transport Canada's Aviation Compliance Assurance (ACA) guidelines.
- Configured and customized **Aircraft Services' Quality Assurance and Safety Management Model-Driven and Canvas Power Apps**, integrating **JavaScript, Visual Studio Code, XrmToolBox, Copilot, Data modeling, Power Automate Flows, Dataverse and Security Management including Azure EntraID**, 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
Copilot	CI/CD

SOFT SKILLS

Time-Management
Organized
Coachable & Receptive
Team Collaboration

PROJECTS

• Portfolio Website

<https://18wskgithub.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/>