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 **Power BI**.

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 Lake to new Data Lakehouse Medallion Architecture**, optimizing data delivery efficiency for clients and internal departments. This involved **integrating third-party SaaS**, 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 **Power BI** reports using **Azure DevOps** data to monitor and improve resource efficiency and accuracy across multiple projects and teams.
- Awarded **"Level 4 – Exceeded"** in my first **Performance Management Assessment.**

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.
- Gained hands-on experience with **AWS ECS** by deploying **front-end/back-end containers**, creating **Lambda functions**, and debugging **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
Power BI	Postgres
Power Apps	Power Automate
Databricks	Azure Storage
Copilot	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/