

William Kennedy

New graduate, full-stack developer with two years of experience developing, testing, and deploying robust, scalable code in a fast-paced work environment. Skilled in cloud-based web, developing intuitive and responsive user interfaces and backend development.

EDUCATION

Queen's University, Kingston ON — *B.A.Sc Computer Engineering*

September 2018 - April 2023

WORK EXPERIENCE

Transport Canada, Toronto ON — *IT Technician, Aircraft Services Portfolio*

March 2024 - Present

- Generated detailed PowerBi reports using **Azure DevOps** data to track and improve resource efficiency and accuracy across multiple projects and teams.
- Maintained QA/SMS applications to enhance efficiency and accuracy for multiple client groups by streamlining operations in aircraft quality assurance and safety management. Leveraged **Azure EntraID, JavaScript integration, and developed Power Automate flows and Power Apps**.
- Worked as a data-analyst to transform our system to a new medallion infrastructure, to help improve data delivery efficiency to our clients and departments. Accomplished this using **third party SAS integration, data-modelling using Python/SQL**, and multiple azure tools including: **Blob Storage, Databricks, and Event Grids for scheduled data ingestion**.

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.

PROJECTS

Portfolio Website - <https://18wsk.github.io/Portfolio>

- Created a personal website with a **responsive design** with an **interactive UI** deployed using GitHub pages.

QuizIt AI - <https://quizit-ai.netlify.app>

- Developed a custom quiz-generating game utilizing the ChatGPT model, enabling users to create and share engaging quizzes on a variety of topics with friends

DocQshare - <https://github.com/ArshKochhar/DocQshare>

- My university capstone project was creating a **file-sharing system on the ETH blockchain** Testnet – included full **blockchain wallet integration** (MetaMask) and tenant authentication via **JWT tokens**.

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

SOFT SKILLS

Time-Management
Organized
Coachable & Receptive
Team Collaboration