

Quinton Jackson

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TECHNICAL SKILLS

Languages: Python, SQL, C++ , Java, ASP.NET, JavaScript, React, VBA

Cloud & Data: Databricks, Azure, Airflow, Docker, Delta Lake, GCP

Tools/Frameworks: Power BI, Pandas, dbt, Git, REST API, PostgreSQL, Excel

Certifications: Microsoft Certified: Azure Data Engineer Associate (DP-203) - In progress

EXPERIENCE

Data Operations Specialist Intern

Trooh

Toronto, CA | May 2026

- Engineered high-throughput RESTful APIs in Python with OAuth 2.0 authentication, input sanitization middleware, and parameterized SQL queries, achieving 40% reduction in average response latency through connection pooling and query optimization.
- Designed and deployed scalable API microservices on Azure, implementing JWT-based auth flows, rate limiting, and ORM-optimized database transactions that reduced N+1 query overhead and improved concurrent request handling.

Software & Automation Developer Intern

Ontario Clean Water Agency

Toronto, CA | May 2025 – September 2025

- Designed and automated end-to-end data ingestion, cleaning, and transformation workflows using **Python, Power Query,** and **VBA**, eliminating **100%** of manual data preparation for non-technical users
- Designed and deployed a full-stack capital project tracking system for \$200M+ in infrastructure projects — architected the database schema, built a Python/ASP.NET backend, and developed an HTML front-end to centralize project signoffs and replace manual approval workflows across multiple authorization levels.

Data Analyst Intern

ProTint Plus

Waterloo, CA | December 2024 - August 2024

- Built an automated data pipeline using Python to extract transactional data from the SAP API, transform and load it into a SQL database, and design Power BI dashboards surfacing real-time revenue and service performance insights across multiple store locations.
- Analyzed sales and service data identified a gap in residential service offerings, leading the business to increase focus on higher-margin residential services, resulting in 15%+ revenue growth and a significant improvement in profit margins.

PROJECTS

E-commerce Data platform

Next.js / Python / Apache Kafka / Spark / Delta Lake / PostgreSQL / dbt / Docker / Stripe API

- Designed and implemented event-driven analytics pipeline using **Apache Kafka, Spark Structured Streaming,** and **Delta Lake** on **Azure Databricks** to process transactional and data with sub-minute latency.
- Built full-stack e-commerce platform generating **\$2K**; automated **SQL** transformations with dbt for customer segmentation and revenue attribution modeling.

Report: North American Labor Market & Cost-of-Living

Python / pandas / SQL / BeautifulSoup / API / Power BI / Power Query / Git

- Designed an end-to-end labor market analysis by scraping and standardizing job postings across major North American cities, modeling compensation and skill demand trends with **SQL**, and integrating external cost-of-living indices to create a unified analytical dataset.
- Delivered a decision-ready report with an interactive **Power BI** interface, enabling comparative evaluation of regional salary-to-cost trade-offs and providing actionable insights for tech and finance career and workforce planning decisions.

EDUCATION

Bachelor of Computer Science

Honors Computer Science and Technology Co-op \ Conestoga College, CA