

# Taylor Dickson

DATA ENGINEER · IT & SYSTEMS PROFESSIONAL

Toronto, Canada

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## Summary

Experienced Data Engineer and Team Lead with 7+ years of progressive experience in software implementation, data engineering, and technical team management. With a proven track record of leading cross-functional teams, implementing enterprise solutions, and aligning technology with business objectives across multiple Ontario Public Service Ministries.

## Skills

**Leadership** Team Management, Project Management, Stakeholder Communication, Vendor Relations

**Front-end** JavaScript, Vue, HTML, CSS

**Back-end** Python, Django, Flask, Go Lang, Node, Express, REST API

**DevOps** Docker, Shell Scripting (BASH), Linux Administration

**Data** Python, DBT, Azure Data Factory, Databricks, SQL

## Experience

### Data Engineer

Toronto, Canada

ONTARIO PUBLIC SERVICE — ATTORNEY GENERAL

2024 — Present

- Working in a high security environment with sensitive data, ensuring compliance with data protection standards
- Led the implementation of Data Build Tool (DBT) for data transformation and modelling, enhancing data quality and consistency across multiple data sources
- Designed and implemented dimensional model of data warehouse using Kimball methodology, improving data accessibility and reporting capabilities
- Collaborated with cross-functional teams to define data requirements, ensuring alignment with business objectives and enhancing data-driven decision-making processes
- Managed performance tuning and optimization of existing ETL processes, resulting in improved data processing times and reduced resource consumption
- Developed comprehensive documentation for data models, ETL processes, and system architecture to facilitate knowledge transfer and ensure maintainability of solutions
- Created and maintained project gantt charts and timelines, coordinating tasks and deliverables to ensure meeting production deadlines

### Data Engineer/Team Lead

Toronto, Canada

ONTARIO PUBLIC SERVICE — TREASURY BOARD SECRETARIAT

2019 — 2024

- Led a data infrastructure modernization project, defining requirements with stakeholders and establishing project timelines to ensure on-time delivery
- Directed a team of 5 technical specialists in ETL development and implementation, providing regular performance feedback and professional development
- Managed I.T. relationships and leveraged open source technology integration with Python and SQL Server to implement data loading
- Supervised the full recruitment cycle including hiring, onboarding, and mentorship of new staff
- Developed and implemented custom internal applications using Flask/Django/Node and Vue.js based on business requirements
- Established data quality standards and testing procedures to ensure solution reliability and business acceptance

### Workforce Analyst

Toronto, Canada

ONTARIO PUBLIC SERVICE — MINISTRY OF GOVERNMENT & CONSUMER SERVICES

2017 — 2019

- Utilized SQL, MS Access, Excel, VBA, and Python for data management, reporting, visualization, and process automation, supporting business operations with timely and accurate data insights.
- Automated the generation and distribution of over 7000 customized documents, significantly reducing manual labour and enabling directors to quickly access and analyze their staff information.
- Created and optimized reports comparing content across multiple documents, improving efficiency and accuracy in data reporting and reducing manual workload.
- Ensured data integrity across multiple systems through regular data quality checks and recommended enhancements to data management processes to improve overall data reliability.

### Linux System Administrator

Toronto, Canada

SOHO VFX

2016 — 2017

- Upgraded the render farm by setting up, installing, and configuring new servers, resulting in improved performance and reduced rendering times for large-scale visual effects projects.
- Automated repetitive tasks, upgraded software, and optimized systems to provide efficient technical support, saving significant time and ensuring high system performance.
- Recognized for outstanding contributions as a Systems Administrator in the production of the movie Logan (2017).
- Performed routine maintenance and troubleshooting of hardware and software, ensuring smooth operation and minimal downtime, which was crucial for meeting production deadlines.