Taylor Dickson

FULL STACK DEVELOPER · IT, DATA & SYSTEMS PROFESSIONAL

Toronto, Canada

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Summary

As a data engineering and project management professional with expertise in technical support and system administration, I am dedicated to delivering results and driving innovation. I am skilled in Python, Pandas, SQL, and Agile methodology, and have a passion for finding creative solutions to complex problems. Outside of work, you can find me biking through the city, experimenting in the kitchen with new baking recipes, or exploring the latest video games. I am excited to bring my skills and interests to a dynamic and innovative team.

Skills

Front-end Javascript, Vue, SASS, HTML, CSS
Back-end Python, Django, Flask, Go Lang, Node, Express, REST API
DevOps Docker, Docker-Compose, Shell Scripting (BASH), Networking (HTTP, TCP/IP, DNS), Mac and Linux Administration
Soft Communication, Team Management, Project Management, Software and Data Architecture, Writing

Experience

Senior Research Analyst/Team Lead
Toronto, Canada

ONTARIO PUBLIC SERVICE - TREASURY BOARD SECRETARIAT
2019 - Present

- Led the division's data overhaul project to modernize and enhance digital data infrastructure, including migration to Azure cloud using Python and Pandas for improved efficiency and AI readiness.
- Designed and developed internal data cleaning tools using Flask, Django, Node.js (Express) for the backend and Vue.js, HTML, CSS, and JavaScript for the frontend, integrating with Azure databases and RESTful APIs.
- Implemented efficient pagination algorithms using offset for APIs that allowed users to clean and merge records, ensuring robust and scalable backend processes.
- Managed a team of 5, conducting regular code reviews, providing guidance on software design principles, and ensuring adherence to coding standards.
- Coordinated project planning and scheduling, collaborating with cross-functional teams to define technical requirements and software architecture for new applications.
- Assisted with software procurement and guided divisional roadmaps for future digital service expansion, resulting in cost savings of over $100k.
- Oversaw co-op student hiring, onboarding, and project assignments related to automation, AI research, and infrastructure upgrades, fostering team growth and development.

Workforce Analyst
Toronto, Canada

ONTARIO PUBLIC SERVICE - MINISTRY OF GOVERNMENT & CONSUMER SERVICES
2017 - 2019

- Developed automated solutions for data management, reporting, and visualization using SQL, MS Access, Excel, VBA, and Python, significantly improving business operations efficiency.
- Automated the generation and distribution of over 7000 customized documents, reducing manual labor by a month and enabling quick access to reporting staff information for directors.
- Created new reports to compare content across multiple Word documents, optimizing the process to improve data accuracy and reduce manual work.
- Maintained data integrity across multiple systems, performing regular data quality checks and recommending improvements to data management processes.
- Collaborated with cross-functional teams to analyze workforce trends, identify areas for improvement, and develop an equitable job classification system.

Junior 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.
- Automated repetitive tasks, upgraded software, and optimized systems, leading to ongoing savings of one hour per week for technical support staff.
- Provided technical support to employees, ensuring smooth operation of systems and minimizing downtime through routine maintenance and troubleshooting of hardware and software.

Owner/Operator
Toronto, Canada

TWDICKSON CONSULTING
2021 - Present

- Providing web development, automation, and data engineering expertise.
- Built and implemented websites using GoLang CMS systems like Hugo, delivering high-performance, static websites for various clients such as **Topology Health** (https://topology.health).
- Worked closely with clients to produce a uniform and harmonized information architecture.
- Created documentation for knowledge transfer, facilitating easy client site maintenance.
- Employed Agile and Waterfall methodologies, adapting to client requirements and project scopes to deliver efficient and timely solutions.
- Successfully managed client relationships through various remote communication platforms.