

JOHN SUSNIK

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SUMMARY

Results-driven data professional specialized in data engineering, data analytics, and full-stack development with proven success in deploying production systems. Combines strong technical skills in Python, SQL, with the ability to collaborate across departments and deliver measurable business value. Committed to continuous learning and leveraging emerging technologies to drive innovation.

SKILLS

- **PROGRAMMING:** Python, SQL/T-SQL, HTML, CSS, JavaScript, C#, VBA
- **DATA VISUALIZATION:** Power BI, SSRS, Excel, matplotlib, plotly, bokeh, seaborn
- **TOOLS:** GitHub, SSMS, Airflow (in Docker), pandas, dbt, Jira, JitBit, Teams, Power Automate, Jupyter
- **PLATFORMS:** Windows, Docker, Azure, Linux, Microsoft Fabric
- **DATABASES:** MSSQL, PostgreSQL, SQLite

EMPLOYMENT

POLLARD WINDOWS

Application Support Developer · 2018 to Current · Burlington, ON

- Championed the deployment of Apache Airflow in Docker containers on local servers, establishing a robust orchestration platform for automated data pipelines and workflow management.
- Led the implementation of PostgreSQL as an enterprise data warehouse on local servers, including comprehensive database administration (installing extensions, index creation/maintenance, server configuration settings, managing user security, SSL certificates), as well as backup/restore processes.
- Assisted with the deployment of Power BI across the organization, replacing legacy SSRS reports with interactive Power BI dashboards.
- Developed queries using T-SQL to extract window and door ERP data from local MSSQL server. Created reports for various departments (Sales, Scheduling, Manufacturing, Accounting).
- Utilized Power BI, SSRS, Excel, and various python libraries (matplotlib, plotly, bokeh, seaborn) to generate data visualizations.
- Designed and implemented data models using dbt (data build tool) to transform raw data into analytics-ready datasets. Managed security access to dbt data schemas within PostgreSQL data warehouse. Integrated dbt within Airflow to ensure models were refreshed frequently as needed. Optimized build performance using incremental models and database indexing.

- Designed, tested, and implemented electronic data interchange (EDI) integrations for multiple vendors, streamlining B2B data exchange processes.
- Automated and tracked repetitive tasks by connecting Power Automate, Microsoft Forms, and Excel (OneDrive) into a unified data model.
- Created a barcode scanning app for our ERP system, helping plant staff track sealed units throughout the manufacturing process. Gathered user feedback, wrote training documents, and led training workshops. Built with Python (tkinter, pyinstaller) and T-SQL for seamless data sync into ERP system.
- Designed a bot to automate repetitive ERP tasks. The bot periodically pings a local database for pending tasks and uses pyautogui for handling screen interactions (via image searching). Complex error handling, automated reboots and system updates, logging, and automated troubleshooting.
- Deployed a Django web app for complex data engineering, enabling users to request pricing approvals. Automated data extraction of XML, transformation (into SQL), and reporting (Power BI), with real-time status updates and error notifications. This process utilized Airflow, lxml, pandas, and utilized a Microsoft App Registration for handling automated emails using Microsoft (OAuth). Used TailwindCSS and Flowbite (JavaScript) for styling the website.

IRIS POWER

Junior Engineer · 2012 to 2018 · Mississauga, Ontario

- Developed Python-based automation solutions for instrument calibration workflows, integrating with oscilloscopes and Excel to improve efficiency and accuracy.
- Served as principal developer for an IoT application deployed on single-board computers and Raspberry Pi devices, enabling remote instrument monitoring and control.
- Designed and implemented an Android mobile application using Xamarin and Microsoft Visual Studio, featuring secure authentication and Azure Blob Storage integration for customer data access.
- Engineered complex diagnostic simulation algorithms that successfully transitioned from prototype to production, enhancing instrument testing capabilities.

EDUCATION

LIGHTHOUSE LABS · 2021

Data Science Diploma

MCMASTER UNIVERSITY · 2014 to 2018

Bachelor of Science in Mathematics and Statistics