

Eric Flynn

Data Engineer

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SUMMARY

Versatile data expert with 5+ years of experience building and analyzing complex systems. Skilled in data modeling, ETL development, and large-scale analytics, with a proven track record managing cross-functional initiatives. Passionate about leveraging AI, automation, and emerging technologies to drive measurable value.

SKILLS & CERTIFICATIONS

- | | | |
|----------------------|----------------------------|-----------------------|
| • Python | • Docker | • Automation |
| • SQL | • Linux | • Cloud Computing |
| • Tableau | • SAS | • Data Infrastructure |
| • Microsoft Power BI | • Snowflake SnowPro Core* | • Machine Learning |
| • Apache Airflow | • AWS Solutions Architect* | • Project Management |

PROFESSIONAL EXPERIENCE

1-800-Flowers.com Inc.

Jericho, NY

Network of 10+ subsidiaries which form the top floral and gifting conglomerate in the continental United States

Manager, Business Analytics

06/2023 - Current

- Leading the development and maintenance of a self-service analytics ecosystem supporting 6+ functional teams
- Transitioned legacy analytics infrastructure from SAS/Excel to Snowflake/Tableau, reducing manual reporting by 20 hours/week and cutting data latency by 50%
- Collaborate with teams across multiple subsidiaries to eliminate data silos and unify analytics at the enterprise level
- Deliver real-time analytics and reporting on website enhancement initiatives, proactively identifying issues and communicating operational impacts to IT teams for quick resolution

Kiss Products Inc.

Port Washington, NY

World's leading supplier of artificial nails, press-on nail manicure kits, and false eyelashes; available in over 100 countries

Senior Business Analyst (Data Engineer)

08/2022 - 06/2023

- Managed a team with three direct-report analysts tasked with the development of corporate-level BI initiatives
- Designed, implemented, and maintained a self-managed Apache Airflow environment (Docker/Linux) consisting of several complex ETL pipelines
- Administered an ecosystem of over 15 Power BI dashboards ensuring data accuracy and maintaining 97% uptime
- Hosted monthly "Data Excellence" meetings, driving technical discussions and encouraging cross-functional knowledge transfer, leading to the implementation of a Corporate Data Center of Excellence

Junior Supply Chain Analyst

04/2021 - 08/2022

- Delivered 8+ Power BI dashboards providing strategic visibility into KPIs across the end-to-end supply chain
- Continuously performed inventory optimization on over 4,000 SKUs, maintaining sub-3.5% backorder ratio

EDUCATION

Binghamton University, State University of New York - Watson School of Engineering

*BS & MS in Industrial and Systems Engineering, 4+1 Accelerated Masters Program**

NOTEWORTHY PROJECTS

FedEx Dataworks Implementation - 1-800-Flowers

11/2024 - Current

Enterprise-wide sprint to integrate FedEx Dataworks into back-end systems and evaluate ROI

- Served as operational lead for the implementation, coordinating with multiple functional teams to ensure successful integration and avoid operational disruptions
- Defined a framework to evaluate ROI of the integration, with clearly quantifiable outcomes

Intelligent Audit Data Integration Pipeline - 1-800-Flowers

06/2024 - 12/2024

Cross-functional initiative to ingest third-party shipping invoice data into Snowflake

- Led the design and implementation of an automated data feed to ingest raw invoice data from Intelligent Audit
- Configured a Microsoft Azure-based SFTP file server to securely receive semi-structured (JSON) data
- Transformed complex JSON structures into relational data models, enabling shipment-level invoice analytics

Peak Season FedEx Plan Predictive Analytics - 1-800-Flowers

03/2024 - 06/2024

Data-driven revamp of peak holiday period shipment planning process

- Applied a SQL-based decision tree to granularize top-line forecasts into detailed projections by day, location, and service type for 150+ locations across 7 unique fulfillment networks
- Devised a standardized naming convention for all enterprise fulfillers, ensuring consistency and simplicity
- Replaced a manual Excel-based process with a Tableau front-end, enabling rapid evaluation of multiple scenarios and a reduction in data preparation time from weeks to days

FedEx Time-In-Transit Data Upload Automation - 1-800-Flowers

01/2024 - 02/2024

Bi-annual process in which FedEx time-in-transit data must be re-uploaded into internal systems

- Developed and implemented a custom Python script to automate the extraction and processing of FedEx time-in-transit (TNT) data, replacing a previously manual process
- Improved upload speed by 40% through enhanced post-processing of the data, leading to a 10% improvement in on-time delivery during the transition period compared to the previous year

E-Commerce Data Centralization - Kiss Products

03/2023 - 06/2023

Proof-of-concept project aimed to consolidate various third party data sources into one centralized data warehouse

- Leveraged Fivetran ETL provider to establish automated data pipelines from 5+ data sources into Google Big Query
- Provided budget and resource estimates for future production system implementation

Big Data & AI Architecture - Kiss Products

11/2022 - 06/2023

Corporate-level initiative to introduce big data architecture and machine learning capabilities

- Surveyed cross-functional teams throughout the enterprise to define project scope and requirements
- Aggregated interdepartmental stakeholder requirements to devise an enterprise-level big data architectural design plan
- Conducted discovery meetings with Snowflake and Databricks as the main point of contact

Personal Fitness Application - Passion Project

10/2022 - 01/2023

Live web application designed to visualize personal fitness data

- Constructed an automated ETL pipeline from Apple Health to MySQL using Amazon Web Services
- Deployed a self-hosted Streamlit application on AWS EC2, configured with Nginx for reverse proxy, and custom DNS routing via AWS Route 53

Advanced Logistics GPS Tracking & SKU Visibility - Kiss Products

01/2022 - 08/2022

Architectural redesign of the inbound logistics data system to enable SKU-level GPS tracking

- Proposed changes in PO data entry procedure, enabling container-level visibility previously unattainable
- Architected several ETL pipelines to ingest tracking and logistics data from external APIs
- Enabled SKU-level inbound visibility, directly improving operational efficiency for the Purchasing department