Eric Flynn

Analytics Engineer

Long Island, NY • ejflynn27@gmail.com

www.linkedin.com/in/eric-flynn- • *https://medium.com/@ericfflynn* • *https://github.com/ericfflynn*

SUMMARY

Versatile data expert with 5+ years of experience working with complex business systems. Skilled in ETL development, data modeling, and large-scale analytics, with a proven track record managing teams and enterprise-level initiatives. Eager to leverage AI, automation, and emerging technologies to drive innovative change to organizations.

SKILLS

- Python
- SQL
- Snowflake
- Tableau
- Microsoft Power BI
- Apache Airflow
- Apache Kafka
- Linux
- SAS
- Amazon Web Services
- Data Engineering & Analytics
- Systems Optimization
- Cloud Computing
- Project Management
- Generative AI & Machine Learning

PROFESSIONAL EXPERIENCE

1-800-Flowers.com Inc.   Jericho, NY

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

Manager, Business Analytics   **06/2023 - Current**

- Driving the migration of 100+ legacy SAS/Excel jobs into a modern Snowflake and Power BI stack, eliminating redundancies, enabling real-time self-service dashboards, and laying the foundation for AI-native workflows

- Partner with teams across business units to build standardized SQL data models, creating a single source of truth that accurately reflects key business information

- Act as a catalyst for change by spreading modern data practices across the organization, fostering self-sufficiency and continuous learning as methodologies evolve

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 custom-built Python 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

Oracle to Snowflake Refactoring - 1-800-Flowers.com 06/2025 - Current
Modernization initiative to refactor complex Oracle reporting logic into Snowflake
- Translated legacy Oracle PL/SQL into Snowflake-compatible SQL, preserving intricate business rules while optimizing for performance and reusability
- Automated previously manual reporting processes, eliminating hourly manual downloads from Oracle

FedEx Dataworks Implementation - 1-800-Flowers.com 11/2024 - 02/2025
Enterprise-wide initiative to upgrade EDI data feed to FedEx Dataworks webhook API
- Led the implementation of FedEx Dataworks under a tight three-month timeline, coordinating across internal and external IT teams to productionize an Apache Kafka-based ingestion pipeline
- Designed and executed a muli-layered A/B testing methodology to isolate the impact of key features
- Reduced customer service inquiries by 20% and cut latency by 50 minutes, projecting $430K in annual savings

Third Party Parcel Data Integration - 1-800-Flowers.com 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 a parcel auditor
- Transformed complex nested JSON structures into relational data models, enabling detailed shipment-level analytics

Peak Season FedEx Plan Predictive Analytics - 1-800-Flowers.com 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
- Replaced a manual Excel-based process with Tableau, 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
Automation of routine 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 from Microsoft Access, replacing a previously manual process
- Reduced overall process time by 90%, leading to a 10% improvement in on-time deliveries during the transition period compared to the previous year

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 - Personal Project 10/2022 - 01/2023
Live web application designed to visualize personal fitness data collected from an Apple Watch
- 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