

Christopher Flynn

Software Engineer | Data-Driven Developer

[GitHub](#) | [LinkedIn](#) | [Website](#)

Phone: (214) 717-1350 | Email: christopherflynndev@gmail.com | Aubrey, TX 76227

Summary

Software Engineer with 2 years of experience building backend systems, APIs, and real-time data tools. Strong in Python, SQL, and modern development frameworks. Focused on clean code, scalable architecture, and fast, reliable delivery.

Skills

- **Languages:** Python, SQL, JavaScript, HTML/CSS, Java
 - **Frameworks:** Streamlit, Flask, React, Spring Boot
 - **Tools:** Git, GitHub, Firebase, PostgreSQL, Supabase, Kafka, Jupyter, cron
 - **Other:** REST APIs, Agile/SCRUM, Data Pipelines, Unit Testing
-

Experience

Software Engineer

Statefarm | May 2021 – May 2023

- Developed and maintained backend APIs and services using Java and Spring Boot.
 - Designed and deployed a UI to interface with the Billing Index Support API and SQL databases.
 - Collaborated in an Agile SCRUM environment and contributed to the full software development lifecycle.
-

Education

Bachelor of Science in Computer Science

Western Governors University | Jan 2021 – May 2024

- Emphasis on programming, algorithms, and data structures
 - Completed coursework in Machine Learning, Databases, Data Science, and Cloud Computing
 - Built real-world software projects through project-based assessments
-

Projects

Streaming Sentiment Analysis Platform

- Developed and deployed a real-time sentiment analysis system using Python and a Logistic Regression model trained on the Sentiment140 dataset
- Built a data pipeline with PRAW to extract Reddit data, processed it using NLP techniques, and classified sentiment in real-time
- Visualized sentiment trends across multiple subreddits via an interactive Streamlit Cloud app, with data stored and retrieved from Firebase Realtime Database

Real-Time Demand Forecasting System

- Built a real-time data pipeline using Kafka, PostgreSQL (Supabase), and Prophet to forecast daily revenue, orders, and AOV
- Automated daily ingestion, aggregation, and modeling with Python scripts and cron scheduling
- Deployed a Streamlit dashboard with filters, visualizations, and cloud database integration for real-time insights