

# BARRY V. MARTIN



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## EXPERIENCE

**AUGUST 2021 – PRESENT, REMOTE POSITION**

### **SR. DATA ENGINEER (MLOPS), ZELIS**

- Designed and deployed scalable data and ML pipelines using AWS SageMaker, Airflow, and Snowflake to create and optimize inference workflows
- Built data applications with Streamlit for data drift and model performance monitoring
- Containerized applications using Docker and automated infrastructure with Terraform ensuring reproducibility and scalability across cloud environments
- Developed and managed data pipelines in AWS, integrating Snowflake for high-performance data processing and analytics
- Orchestrated complex workflows with Apache Airflow, optimizing scheduling, monitoring, and execution of data engineering and ML tasks
- Collaborated with data scientists and engineers to productionize ML models, ensuring scalability, reliability, and seamless integration with business applications
- Developed big data processing workflows with Spark and Airflow

**JANUARY 2014 – AUGUST 2021, REMOTE POSITION**

### **SR. DATA ANALYST, CH ROBINSON**

- Conducted extensive EDA in Jupyter, uncovering insights to drive decision-making
- Developed interactive dashboards using Plotly, R Shiny, Streamlit, and Power BI
- Optimized SQL queries and database performance in SQL Server, Postgres and Hive
- Designed and implemented automated reporting solutions in python
- Integrated and analyzed data from multiple sources, ensuring data integrity
- Collaborated with cross-functional teams to translate business need into results

## SKILLS

### **GENERAL**

Python  
AWS Services  
Docker/AWS ECR  
Github Actions  
Terraform

### **DATA ENGINEERING**

AWS EMR/Spark  
Snowflake  
Apache Airflow  
Query Optimization  
Database Design

### **ANALYTICS/ML**

AWS SageMaker  
Inference Workflow Design  
Exploratory Analysis  
Power BI  
Streamlit

## EDUCATION

### **INFORMATION TECHNOLOGY, BS UMASS LOWELL**

Programming and relational databases focused coursework

### **METEOROLOGY, BS UNIVERSITY OF OKLAHOMA**

Research student at NSSL and also earned a minor in Mathematics