

# BARRY V. MARTIN



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## EXPERIENCE

**JULY 2022 – PRESENT, REMOTE POSITION**

### **DATA SCIENCE ENGINEER, ZELIS (SAPPHIRE DIGITAL)**

- Develop production Spark jobs for creating data outputs at scale
- Develop production data operations with the integration of Spark and Airflow
- Write python scripts to automate common data tasks
- Automate infrastructure and repo-related items with terraform and Github Actions
- Develop database schemas in postgres
- Perform ad hoc data analysis using Jupyter, DuckDB and Polars

**AUGUST 2021 – JULY 2022, REMOTE POSITION**

### **SOFTWARE ENGINEER, ZELIS (SAPPHIRE DIGITAL)**

- Develop automation jobs, ETL jobs and data pipelines in Airflow
- Help maintain or develop new features in existing python flask apps
- Developed REST API using flask and connexion

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

### **SENIOR DATA ANALYST, CH ROBINSON**

- Develop BI apps using frameworks like Flask, Streamlit, R Shiny and Plotly
- Create dashboards using tools like SSRS and Power BI
- Use simple modeling techniques like regression to get insights
- Use Jupyter notebooks for data analysis and visualizations
- Write complex queries in MS SQL Server, Hadoop/Hive and Postgres
- Develop data pipelines using python and Airflow

## SKILLS

### **GENERAL**

Python  
Docker  
Flask  
Linux scripting

### **DATA**

Apache Spark  
SQL (MS, Postgres)  
Airflow  
REST APIs

### **CLOUD**

AWS EC2  
AWS EMR  
AWS Lambda  
Terraform for AWS

## EDUCATION

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

Programming and relational databases focused coursework

### **ATMOSPHERIC SCIENCE, BS UNIVERSITY OF OKLAHOMA**

Research student at NSSL and also earned a minor in Mathematics