# BARRY V. MARTIN

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## EXPERIENCE

**AUGUST 2021 – PRESENT,** REMOTE POSITION
### DATA 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
- Create a python package for machine learning model monitoring
- Develop database schemas and stored procedures in Snowflake and Postgresql
- Develop dashboards using Streamlit hosted in Snowflake
- Automate infrastructure and repo-related items with terraform and Github Actions
- Write python scripts to automate common data tasks
- Perform ad hoc data analysis using Jupyter and visualization tools
- Maintain or develop new features in existing python flask apps and REST API's

**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
- Provide data insights to stakeholders and propose process and operational changes

## SKILLS

| GENERAL | DATA ENGINEERING | ANALYTICS |
|---|---|---|
| Python | Apache Spark/EMR | Jupyter Lab |
| AWS Services | Snowflake | Streamlit |
| Docker | Apache Airflow | Power BI |
| Github Actions | Postgres | Plotly Dash |
| Terraform | Data Modeling | SSRS |

## 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