BARRY V. MARTIN

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EXPERIENCE

JULY 2022 – 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
- 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	DATA	CLOUD
Python	Apache Spark	AWS EC2
Docker	SQL (MS, Postgres)	AWS EMR
Flask	Airflow	AWS Lambda
Linux scripting	REST APIs	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