BARRY V. MARTIN

Location: Atco, NJ   **Mobile:** 848.304.0787   **Email:** bvmcode@thepythongeek.com
LinkedIn: https://www.linkedin.com/in/martbar   **Website:** https://www.thepythongeek.com

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	DATA ENGINEERING	ANALYTICS/ML
Python	AWS EMR/Spark	AWS SageMaker
AWS Services	Snowflake	Inference Workflow Design
Docker/AWS ECR	Apache Airflow	Exploratory Analysis
Github Actions	Query Optimization	Power BI
Terraform	Database Design	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