

# BARRY V. MARTIN



**Location:** Atco, NJ **Mobile:** 848.304.0787 **Email:** [bvmcode@thepythongeek.com](mailto:bvmcode@thepythongeek.com)  
**LinkedIn:** <https://www.linkedin.com/in/martbar> **Website:** <https://www.thepythongeek.com>

## 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
- 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
- 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

### **LANGUAGES**

General Python  
Scientific Python  
Flask Apps/REST APIs  
Bash Scripting  
JavaScript

### **DATA ENGINEERING**

Apache Spark/EMR  
Relational DBs  
Apache Airflow  
Data Lakes  
Data Modeling

### **DEVOPS**

Github Actions  
Docker  
Terraform  
Code Compliance  
AWS Services

## 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