FREDRICK WILLIAM LAMBUTH

713 839 5385
102 Primera St San Antonio, TX 78212

flambuth@gmail.com
https://fredlambuth.com

Experience

Aspirent / Data Consultant / AUG 2022 - SEP 2023
Consulted for a wide range of enterprise clients setting up new cloud data platforms or transitioning their existing data warehouses over to cloud providers.

- Developed a customizable PySpark module for data quality inspection of each storage layer of ETL pipeline, giving client quicker tools for finding their data discrepancies
- Created Python scripts to give client options for anomaly detection on Medicare data
- Used AWS Lambda to write API calls to extract sales data, transform to fit model and extract to client's existing Redshift database, with Glue orchestrating .

KYM Advisors/ Senior Data Analyst / AUG 2022 - SEP 2023
Contributed technical consulting to the Office of the Chief Data Officer for US Citizenship & Immigration Services managing data quality of all active applications for citizenship.

- Refactored pipelines made from legacy SQL scripts into Pyspark modules, speeding up with parallelization, allowing for unit testing within the pipeline and quicker debugging.
- Developed Python library for Databricks comprising the most common query patterns among analysts, diminishing the amount of ad-hoc query requests made.

Wells Fargo / Analytics Consultant / FEB 2020 - NOV 2021
Served as an engineering lead of a small analytics team focused on working with the bank's contact center leadership to find data solutions within the bank's data catalog for predicting the contact center resources needed to meet customer demand.

- Replaced manual SAS queries and Excel macros into a single, shareable Pandas script allowing all analysts on the team to execute all data reports
- Managed SharePoint collecting user text entries among regional managers. Created SQL job to extract from API, transform data and load as datasource for Tableau Server
- Developed data model and ETL pipeline to extract customer data into HR data warehouse, allowing for analysis between customer and contact center operations

CACI, Inc. / Unix System Administrator / FEB 2018 - FEB 2020
Managed infrastructure of VMs and containers, which supported the development and testing environment for Java and Cobol applications within US Navy shipyard facilities

- Collected admin tasks into testable BASH scripts shareable with coworkers
- Developed Python script to detect systemlog anomalies, summarize into HTML document, and emailed to concerned parties when detected, or on scheduled basis.
- Automated the creation of containerized deployment packages for software updates ready for testing environment

US Navy/ Electronic Technician / FEB 2012 - FEB 2018
Served as a maintenance tech for Unix computers relaying wireless data aboard the USS Ford. Prior to deployment, performed IT helpdesk support and Windows office setups

- Authored a ship's handbook for troubleshooting LINK network failures, increasing response time to network faults down to minutes
- Wrote Python script to scan log files for only the relevant data to use a small transmission medium, avoiding the need to remove physical disks.

Education
Texas A&M University
B.A. Political Science

Codeup - Data Science
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Certification
Associate Developer for Apache Spark
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Skills
SQL

Unix/Linux

HTTP/REST API

Git

Python
- Pyspark
- Pandas
- Flask
- boto3

AWS
- S3
- EC2
- Lambda
- Glue
- Athena

Azure
- Blob
- Synapse
- Data Factory
- Functions