FREDRICK WILLIAM LAMBUTH

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Experience

Logic 20/20 / Data Engineer / OCT 2023 - FEB 2024
Hired to perform back-end software development after two month training with Palantir Foundry. Contributed to sprint planning and backlogged stories before project cancelation.

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 locating data quality discrepancies
- Created Python library to expand 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. Modules allowed for quality testing, parallelization within Spark jobs, and quick debugging.
- Designed and implemented hierarchical database architecture for query efficiency, reducing time and complexity of analysts' queries.

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. / System Engineer / 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

Education

Texas A&M University
B.A. Political Science

Codeup - Data Science

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Certifications

Databricks Developer for Apache Spark

Microsoft Azure Data Engineer

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Skills

SQL Server
Databricks
Tableau
HTTP/REST API
Git
Python
- Pyspark
- Pandas
- Flask
- Dash
- Plotly

Azure
- ADF
- Synapse
- Blob
- ADLS

AWS
- S3
- Lambda
- Glue
- Athena