

Fredrick Lambuth

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Summary

I build end-to-end data solutions. With classic software engineering techniques, I create modular and easy to use data infrastructure. My professional history is a mix of liberal arts education, IT operations, and data analytics. That eclectic training has given me a wide set of faculties for solving problems; using analytical thinking to solve everyday problems and creativity for the thorny problems. Identifying what are the problems and their appropriate solution comes from collaborating, and double-checking, with the business side to ensure my work solves real needs, and coordination with peers to make sure our outputs sync.

Professional Experience

Logic2020

Data Engineer

Remote

October 2023 - Present

- Developing data pipelines with Palantir Foundry for mapping customers affected by electrical outages and triggering notifications.
- Streamlined reports required by state regulators after each power outage event from a semi-manual Excel process into a web form.

Aspirent

Data Consultant

Remote

September 2022 - September 2023

- Developed a PySpark module for data quality checks in pipeline steps, reducing the turn around time to report errors to data providers.
- Created Pandas scripts to add options for analysts conducting anomaly detection on Medicare claims, at least doubling daily fraud candidates to review.
- Built pipeline to write API calls Shopify to extract sales data, transform to fit model and extract to client's Redshift database. Developed without client support caused by departure of tech lead.
- Authored the GIT playbook for developing cloud data warehouse in adherence to the client's company policy and trained client's engineers for hand-off of version control management.
- Converted undocumented Teradata stored procedures into PySpark notebooks within Azure Synapse which improved query times down to seconds.

KYM Advisors

Senior Data Analyst

Remote

October 2021 - September 2022

- Refactored pipelines made from legacy SQL scripts into Pyspark modules. Modules allowed for data quality testing, parallelization within Spark jobs, and quick debugging.
- Designed, implemented, and administered hierarchical Hive tables within a Databricks workspace that reduced query time, complexity of analysts' queries and efficiency of scheduled jobs.
- Created archive of previous reports in directories partitioned by date, rapidly increasing the speed of queries on historic data.

Wells Fargo

Analytics Consultant

Remote

January 2020 - September 2021

- Replaced pipelines made with SAS and Excel macros into a low-code Python module allowing all analysts on the team to execute all data reports from a shared drive.
- Managed data process collecting user text entries among regional managers. Created SQL job to extract from SharePoint, transform data and load as a data source for Tableau Server, allowing user comments added to all production dashboards.
- Developed data model and ETL pipeline to extract customer data into HR data warehouse, allowing for more rapid analysis between customer and contact center operations data.
- Replicated linear regression model forecasting monthly attrition written in SAS into Python to meet banking audit requirements for model duplication.

CACI

Unix System Administrator

Norfolk, VA, USA

February 2018 - December 2019

- Collected admin tasks into testable Bash scripts shareable with fellow system administrators.
- 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

United States Navy

Electronic Technician

Norfolk, VA, USA

February 2012 - February 2018

- Served as a maintenance operator for wireless network equipment aboard the USS Ford
- Collateral duties included IT help-desk support, Windows endpoint setups, office management, and cryptography security.

Education

Codeup

Associate's, Data Science

August 2019 - January 2020

Texas A&M University - College Station

Bachelor's, Political Science

September 2004 - July 2009

Certifications

Databricks - Associate Developer for Apache Spark

Microsoft - Azure Data Engineer

Skills

Skills: Python, SQL, Apache Spark, Microsoft Azure, Data Analysis, Apache Hive, Pandas, Flask, Linux/Unix, REST APIs, Bootstrap, Data Structures & Algorithms, HTML/CSS, Django, Jupyter, Business Analytics, PowerShell, Python NLTK, Tableau, Terraform, Natural Language Processing (NLP), UI/UX Design, Web Development, Quality Assurance (QA), TCP/IP

Languages: Spanish