

CATHY LEFEBVRE

Data Engineer

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EMPLOYMENT

Georgia-Pacific

Senior Data Engineer

February 2024 - September 2025

- Developed and maintained various pipelines to enable data movement from across the company into the shared enterprise data lake, supporting analytics for various teams and departments.
- Utilized a variety of AWS services including Step Functions, Lambda, Glue, DynamoDB, S3, and EventBridge to build configuration-based and event-driven pipelines handling diverse data formats and sources.
- Re-designed pipeline for acquiring data via a multitude of APIs to allow better reusability by removing need for individual plugins for unique data sources by using a more configuration-driven architecture, enhancing efficiency by utilizing asynchronous calls and parallel processing.

Worthix

Software Engineer

October 2022 - July 2023

- Worked on a backend that creates and manages a FastAPI responsible for calculating statistics based on user survey results stored in a SQL server.
- Helped improve testing quality and code consistency by coordinating tools to be used across the project and implementing more thorough tests.
- Added new endpoints to assist in the continuing demand from clients and market for new functionalities.

Booz Allen Hamilton (*contract through The Goal*)

Python Developer

October 2021 - October 2022

- Worked on the CDC MVPS Portal Team, overseeing the validation, processing and distribution of state-level surveillance data to relevant public health programs.
- Enhanced and maintained backend APIs that facilitate seamless data flow, ensuring the portal's functionality and accurate data presentation while leveraging technologies including Flask, Swagger, Pandas, threading, background scheduling, and pyodbc for SQL server integration.
- Updated an existing process for downloading files via SFTP from Perl to Python adding notifications if any of the ~75 files a week fails to load or the system goes down.

InductiveHealth Informatics

Junior Software Developer

January 2021 - October 2021

- Contracted with the CDC on the Bionsense project ensuring consistent data movement from various sources and facilitating necessary transformations before the data can be accessed and utilized by analysts.
- Created and maintained a Python program for SFTP file transfer used for multiple data feeds including clear configuration options, consistent logs, PyTests and style checks, and a guide for updates and future use. Set-up daily emails of log summaries from SFTP file transfer to enable easier tracking of successful runs.

COMMUNITY INVOLVEMENT

Psi Upsilon Fraternity

Secretary, Executive Council

July 2024 - Present

- Maintained records and meeting minutes for all board meetings.
- Chaired the committee on Education and Development to improve and develop educational activities for members.

Psi Upsilon Society of Georgia

Board Member

December 2022 - January 2024

- Lead fundraising events and initiatives that resulted in over \$25,000 in donations from alumni across the country.
- Coordinated efforts of alumni and undergrad members to host 150 members for Psi Upsilon's annual convention.

EDUCATION

Georgia Institute of Technology

August 2015 – May 2018

BS in Computer Science

Threads: Intelligence, People

TECHNICAL SKILLS

Programming Languages:

Python- pandas, Flask, FastAPI, Bash, Java, SQL, Perl, C, HTML

Developer Tools:

Git, BitBucket, JIRA, Terraform

Amazon Web Services:

Glue, Lambda, S3, Step Functions, EventBridge, Athena, EC2, DynamoDB, Redshift, SNS, SQS