in ADAM T.GADDIS

SOFTWARE ENGINEER

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EXPERIENCE

- **Bank of America**   Dallas, TX (Hybrid)
  AVP Data Engineer II — Permanent   *Sep. 2022 - April. 2023*
  - Designed, Developed, and Deployed a Python Flask Internal CRUD Application used for tracking the MetaData and Linneage of 900+ reports totaling 50,000,000+ Data Points.
  - Restructured chaotic job scheduling system, creating a centralized system written in Python leveraging the Luigi framework.
  - Brought in to transform an archaic SQL/SSIS only ETL process into a Spark, Hadoop, Kafka based ELT process, developing natively using Scala, processing over 20,000 Data Points per hour.
  - Developed CI/CD Pipelines, Jenkins, and Led design of new Git Repo Architecture

  Technologies: Python, Scala, Azure, Jenkins, Git, Hadoop, MapReduce, HDFS, Sqoop, Impala, CosmosDB

- **LOOP**   Dallas, TX (Remote)
  Senior Data Engineer — Contract   *April 2022 - Sep. 2022*
  - Hosted Airflow instance on Docker Container, via GCP, as central scheduler for routine jobs focused around Python, BigQuery, and GCS.
  - Developed multiple data pipelines using Python & GCP DataFlow for the ingestion and transformation from internal & external data sources.
  - Meticulously documented technical systems w/ Data catalogs, DBDocs & DBDiagram.
  - Integrated a 3rd party C# application into quote flow to dynamically insure our honest quote comparison between other providers; runs on more than 7,500 quotes a month.

  Technologies: Python, C#, Docker, GCP (Cloud Storage, Data Catalog, BigQuery), Airflow, ERD, API's.

- **Southwest Airlines**   Dallas, TX (Remote)
  Technology Analyst — Internship   *Jan. 2022 - April 2022*
  - Developed a POC Python Framework to properly parse X12 EDI Documents.
  - Orchestrated and automated Python ELT Pipeline, using Airflow, to ingest X12 EDI Invoices Daily into an On-Prem Postgres Data Warehouse.
  - Deployed and monitored pipeline using Docker and Jenkins.

  Technologies: Python, Airflow, Postgres, Docker, Git, Jenkins.

- **University of North Texas at Dallas**   Dallas, TX (Remote)
  Lead Analytics Engineer — Permanent   *Aug. 2020 - December. 2021*
  - Oversaw a team of 5 engineers focused on Data Governance, Reporting, and Quality for the University.
  - Rewrote existing scattered SAS pipelines into an all inclusive Scala system, decreasing time for State report generation by 100%.

  Technologies: Scala, SAS, SQL Server, Postgres, Azure, Git, API's.

- **Goldman Sachs**   Dallas, TX (In Person)
  Software Engineer (Data Platforms) — Internship   *Jun. 2021 - Aug. 2021*
  - Developed Python Application to compare database schemas between on-premise systems and their cloud equivalents, reconciled 100% of mismatches.
  - Rewrote Enterprise Data Platform test cases to utilize pytest, testing coverage increased from 70% to 91%+.
  - Developed and Deployed a key Python Library (PAT) streamlining workflows with instant connections to 5 central interna data stores.

  Technologies: Python, JIRA, Confluence, API's, Git, Docker, Kubernetes, Tableau, PyPi.

- **Scout Energy Partners**   Dallas, TX (Hybrid)

  Software Engineer — (Data Scientist)   *Jun. 2019 - Aug. 2020*
    - Developed Python ETL pipelines to retrieve more than 400k+ data points daily from in-field SCADA Systems.
    - Led Development of an internal Data Platform to visualize and maintain data governance, built using Go & Python.
    - Developed and Deployed multiple Python & Go internal CRUD Applications, scripts, and predictive models.

  Technologies: Go, Python, Azure, Git, Github Actions, SQL Server, LaTeX

Skills

Orchestration: Airflow, Luigi, Cloud-Based(ADF, DataFlow)   Databases: Postgres, CassandraDB, MongoDB
Python Frameworks: Flask, PySpark, FastAPI   Scala Frameworks: Spark, Kafka, Akka
Go Frameworks: Echo, Gin, Mux   Cloud Platforms: GCP, AWS, Azure
Containerization: Docker, Kubernetes   Interest: FinTech, ClimateTech

Education

University of North Texas at Dallas   Dallas, TX

B.B.A in Analytics   *Aug. 2020 – Dec. 2022 (Graduated)*
- GPA: 3.7/4.0.

- Early graduation of 2 years.

Notable Courses: *Statistical Modeling, Database Applications, Data Warehousing, Big Data Management.*

Dallas Community College — (Richland)   Dallas, TX

A.A.S in Software Development   *Aug. 2016 – May. 2020 (Graduated)*
- GPA: 3.6/4.0.

- Local Dallas County Community College District partnered with Emmett J. Conrad's Global Collegiate Academy. Awards students with 60 college credit hours, and an Associate's Degree in Applied Science.

Notable Courses: *Operating Systems, C# Development, System Design, Java, Python, Networking.*

Following sections items are clickable, unfortunately majority of our Robotics Team code is Private.

Projects

- Oil Gas Contract: Developed a ELT process for an oil gas client, to interact with ComboCurve API v2, and ingest all data available, built using Python FastAPI, SQL Server, Mage.ai

- LightningScout Web App: Developed Scala Back-end to interface with a flutter based application that is used our data collection system.

- LightningScout ELT: Using Python, Azure (Postgres), to automate the ingestion of 100k Robot Scouting Actions Annually.

- Slack Bot Scheduler: Python based, event driven slack bot, interacting with S3's, TBA API v3, and internal scripts.
- Scouting System Mentor FRC3005: I teach kids how to program crazy systems & application through Robotics in Python, Scala, and Go that professionals are just now learning.

Summary

Going on 4 years of proven Software Engineering experience specializing in Back-end, Data Platforms, CRUD, Big Data Engineering. I have spearheaded multiple projects in various industries including, Oil & Gas, Financial Services, Insurtech, and so forth. My technical expertise coupled with my natural people skills gives me the tools to effectively cut through road-blockers and deliver high quality products.