in ADAM T. GADDIS

DATA ENGINEER — SOFTWARE ENGINEER

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EXPERIENCE

- **Bank of America**   Dallas, TX (Hybrid)
  AVP Data Engineer II — Permanent   *Sep. 2022 - Present*
  - Designed, Developed, and Deployed an End to End Python Flask Data Platform used for tracking the MetaData and Linneage of 900+ reports totaling 1mil+ Data Points.
  - Restructured chaotic job scheduling system into a robust, centralized system written in Python — Luigi based orchestration.
  - Brought in to transform an archaic SQL only ETL process into a Hadoop based ELT process utilizing PySpark, Kafka, and the rest of the Apache Suite, processing over 20k Data Points per hour.
  - Developed CI/CD Pipelines, Jenkins, and Led design of new Git Repo Architecture

  Technologies: Python, SQL, 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.
  - Designed data pipelines in GCP DataFlow and Fivetran for the ingestion of data from multiple 3rd party vendors.
  - 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 7.5k quotes a month.

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

- **Southwest Airlines**   Dallas, TX (Remote)
  Software Engineer (Data Platforms) — Internship   *Jan. 2022 - April 2022*
  - Developed a Python Framework to properly parse X12 EDI Documents.
  - Orchestrated and automated Python ELT Pipeline, using Airflow, to ingest 5k X12 EDI Invoices Daily into an On-Prem Postgres Data Warehouse.
  - Deployed and monitored pipeline using Docker, Jenkins, & TravisCI.

  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 SAS pipelines in Scala, decreased time for State report generation by 35%.

  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 data lineage between application and cloud schema's, 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 data stores.

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

- **Scout Energy Partners**   Dallas, TX (Hybrid)
  Software Engineer (Data Platforms)   *Jun. 2019 - Aug. 2020*
    - Developed Python ETL pipelines to retrieve more than 400k+ data points daily from Field SCADA Systems.
    - Led Development of a C# Blazor Data Platform to visualize and maintain data governance.
    - Developed and Deployed multiple Python & Scala Scripts & Applications, Orchestrated with Luigi & Baker.

  <u>Technologies:</u> C#, Python, Azure, Git, Github Actions, SQL Server, LaTeX

SKILLS

<u>Orchestration:</u> Airflow, Luigi, Prefect, Azure Data Factory   <u>Databases:</u> Postgres, CassandraDB, MongoDB
<u>Python Frameworks:</u> Flask, PySpark, pandas/numpy   <u>Scala Frameworks:</u> Spark, Kafka, Baker
<u>C# Frameworks:</u> Synapse, ADO.NET, Blazor   <u>Cloud Platforms:</u> GCP, AWS, Azure
<u>Containerization:</u> Docker, Kubernetes   <u>Interest:</u> 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.

<u>Notable Courses:</u> *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.

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

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

PROJECTS

- LightningScout ETL: Using Python, Azure (Postgres), to automate the ingestion of 60k Robot Scouting Actions Annually
- Event Slack Bot: Using AWS Lambda Functions + TBA API v3 to retrieve and relay real-time event information to our teams chat.
- Scouting System Mentor FRC3005: I teach kids how to program crazy systems & application through Robotics in Python, Scala, and Java that professionals are learning.

SUMMARY

Going on 4 years of proven Software Development experience specializing in Data Engineering and Data Platforms. 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.