

in ADAM T. GADDIS

DATA ENGINEER — SOFTWARE ENGINEER

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📞 (214) 335 - 3200

🔗 Python, Scala, C#

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

Software Engineer (Data Platforms)

Dallas, TX (Hybrid)

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.

Technologies: C#, Python, Azure, Git, Github Actions, SQL Server, LaTeX

SKILLS

Orchestration: Airflow, Luigi, Prefect, Azure Data Factory

Python Frameworks: Flask, PySpark, pandas/numpy

C# Frameworks: Synapse, ADO.NET, Blazor

Containerization: Docker, Kubernetes

Databases: Postgres, CassandraDB, MongoDB

Scala Frameworks: Spark, Kafka, Baker

Cloud Platforms: GCP, AWS, Azure

Interest: FinTech, ClimateTech

EDUCATION

University of North Texas at Dallas

B.B.A in Analytics

Dallas, TX

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)

A.A.S in Software Development

Dallas, TX

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

- 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.