

# in ADAM T. GADDIS

SOFTWARE ENGINEER

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</> Python, Go, C#

## 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, developed in Python, processing over 20,000 Data Points per second.
  - Developed CI/CD Pipelines, Jenkins, and Led design of new Git Repo ArchitectureTechnologies: Python, 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 Python system, decreasing time for State report generation by 250%.Technologies: Python, 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 schema's 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 internal data stores.Technologies: Python, JIRA, Confluence, API's, Git, Docker, Kubernetes, Tableau, PyPi.

## • Scout Energy Partners

Software Engineer — (Data Scientist)

Dallas, TX (Hybrid)

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

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Orchestration: Airflow, Luigi, Cloud-Based(ADF, DataFlow)

Python Frameworks: Flask, PySpark, FastAPI

Go Frameworks: Echo, Gin, Mux

Containerization: Docker, Kubernetes

Databases: Postgres, CassandraDB, MongoDB

C# Frameworks: .NET, Blazor, EFC

Cloud Platforms: GCP, AWS, Azure

Interest: FinTech, ClimateTech

## EDUCATION

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### 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

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- 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

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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.