
Samuel Adeyemi

GIS Engineer

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Summary

GIS Engineer with 4 years of experience building spatial data pipelines and ArcGIS Enterprise systems for pipeline and electric utility operators. Writes Python, ArcPy and SQL against PostGIS and enterprise geodatabases, and builds FME workflows that keep asset data in sync. Works closely with engineering and IT teams to keep GIS services reliable.

Experience

GIS Engineer

Ship Channel Energy Systems — Houston, TX — 01/2024 - Present

Engineering and software firm serving pipeline and gas distribution operators.

- Build Python and FME pipelines that sync 6,500 miles of pipeline data from field systems into PostGIS nightly.
- Model a utility network in ArcGIS Pro for a gas distribution client with **310,000** service lines.
- Tune SQL queries and spatial indexes in PostGIS, cutting the slowest map service response from 9 seconds to 1.2.
- Script ArcGIS Enterprise deployments and patching with ArcPy and Git, bringing 4 environments to the same version.

GIS Analyst

Lone Prairie Electric Cooperative — Bryan, TX — 06/2022 - 12/2023

Electric cooperative serving 68,000 meters in Central Texas.

- Converted 40,000 electric assets into a new geodatabase model with FME, matching 99.6% of records.
- Wrote ArcPy scripts that generated 250 circuit maps per month for line crews.
- Checked feeder connectivity after each storm restoration so outage predictions stayed accurate.
- Resolved 180 GIS service tickets from engineers and dispatchers, most within one business day.

Education

Bachelor of Science

Texas A&M University

Geographic Information Science and Technology

College Station, TX

05/2022

Skills

Python	—	ArcPy	—	SQL	—	PostGIS
FME	—	ArcGIS Enterprise	—	ArcGIS Pro	—	Utility Network
Git	—	Spatial Indexing				

Certificates

FME Certified Professional

Safe Software

11/2024