

Bryan Eaton

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EDUCATION

- **Stephen F. Austin State University** Nacogdoches, TX
Bachelor of Science in Environmental Science Dec. 2002

EXPERIENCE

- **Shell Energy** Maryville, TN (Remote)
Data Engineer Jul 2021 - Present
 - **Airflow pipelines:** Built and maintained pipelines from vendor SQL Server databases to Amazon S3 for user consumption with Dremio and other tools.
 - **Data Migration:** Wrote the migration code for an Intelometry Retail SQL Server database to an Exelergy RevenueManager data migration using Python, Pytest(Test-Driven Development), SQLAlchemy, Docker, and SQL Server stored procedures/functions.
- **Oak Ridge National Laboratory** Oak Ridge, TN
Data Engineer Oct 2018 - Jul 2021
 - **Data Collection:** Built and maintained pipelines for ingesting millions of JSON documents from multiple sources into an Elasticsearch cluster using Java's Spring Framework and Airflow
 - **ActiveMQ JMS:** Apache ActiveMQ is an open source message broker primarily used for sending messages between applications. Worked on writing message clients for an application centered around JMS messaging.
 - **PostgreSQL:** PostgreSQL is an advanced open source database with a strong reputation for proven reliability and a proven architecture. I utilize the excellent JSON features as well as PostGIS for storing geographic features and message data from the JMS.
- **Covenant Transport** Chattanooga, TN
SAP Developer Jan 2014 - April 2018
 - **SAP Design Studio:** Designed focused universes and interactive BI dashboards using SAP Information Design Tool and Design Studio.
 - **Apache Airflow:** Used Airflow to extract data from Excel docs with the help of Python Pandas and to integrate this data with parallel Data Services jobs
 - **Data Warehousing:** Setup, schema design and management of Data Marts with SQL Server. SAP Data Services integration for daily ETL ingestion into SQL Server.
 - **Python Flask:** Wrote Restful API's using Python's Flask framework detailing ETL job metrics. Airflow eventually replaced this setup.
- **City of Chattanooga** Chattanooga, TN
Programmer 2013
 - **Java:** Re-wrote existing VB6 programs into more maintainable Java code, migrated code repo from Visual SourceSafe to a modern Git repository.
- **Freese and Nichols** Fort Worth, TX
GIS Developer Jan 2005 - April 2013

- **ESRI ArcGIS:** Provided GIS enterprise database (SDE) development and analysis including thematic map creation, data conversion, image rectification and temporal/3D animation.
- **Python ArcPy and ArcObjects:** Developed ArcGIS toolboxes, python scripts, ArcObjects tools, and ESRI geoprocessing models for common GIS and SDE workflows.
- **C# and SQL Server:** Wrote SQL queries, customized stored procedures and assisted in creation of a .NET/SQL database front-end for the Houston-Galveston Subsidence District's 70-year population and water demand projections.

PROGRAMMING SKILLS

- **Languages:** Python, Java, R, Javascript, C#, SQL
- **Technologies:** JMS, Flask, Airflow, Vagrant, Docker