

# Bryan Eaton

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## EDUCATION

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

## EXPERIENCE

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- **RegScale, Inc.** Knoxville, TN  
*Data Engineer* Jul 2022–Present
  - **Python Development:** Principal Developer for the RegScale CLI. Led the design and development of core features for this data integration tool, which integrates with over 40 cybersecurity-related services and file-formats.
  - **CLI Integrations:** Spearheaded a successful effort to build official integrations for Tenable and Wiz. These integrations allow users to import their data directly into RegScale.
  - **C# Development:** Implemented REST API's and document generation services for OSCAL-compliant XML, FedRAMP, and other formats for the RegScale platform.
- **Shell Energy** Maryville, TN (Remote)  
*Data Engineer* Jul 2021–Jul 2022
  - **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 system (SQL Server based) 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

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