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| [github.com/bryaneaton](https://github.com/bryaneaton) | Maryville, TN |

# Professional Summary

Experienced Data Engineer with 10+ years specializing in large-scale data integration, ETL pipelines, and cybersecurity compliance platforms. Proven track record of transforming legacy systems into modern, scalable solutions with CI/CD automation. Expert in Python development with strong background in cloud infrastructure, regulatory compliance (OSCAL, FedRAMP), and building official integrations for enterprise security platforms.

# 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**: Transformed the RegScale CLI from a simple Python script hosted on a webserver into a professionally packaged PyPI distribution with CI/CD pipelines and automated releases. Led design and development of core features for this data integration tool, which integrates with over 40+ cybersecurity services and file formats.
  + **Official Platform Integrations**: Built the official RegScale integrations for Wiz and Tenable, enabling seamless data flow and compliance reporting.
  + **C# Development**: Implemented REST API’s and document generation services for OSCAL-compliant XML, FedRAMP, and other formats for the RegScale platform.

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| **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.

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| **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**: I utilized Postgres’s excellent JSONB features as well as PostGIS for storing geographic features and message data from the JMS.

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| **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.

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| **Freese and Nichols** | Fort Worth, TX |
| *GIS Developer* | *Jan 2005–April 2013* |

* + **ESRI ArcGIS**: Developed GIS applications and helper scripts to build automated mapping routines for early route investigation work of our civil and water resource engineers.
  + **Python ArcPy and ArcObjects**: Developed ArcGIS toolboxes, python scripts, ArcObjects tools, and ESRI geoprocessing models for common GIS and SDE workflows.

# Programming Skills

* **Programming Languages**: Python, Java, Kotlin, Go, C#, SQL, JavaScript
* **Data Engineering & ETL**: Apache Airflow, Apache ActiveMQ, SQLAlchemy, Pandas, Data Services, ETL Pipelines
* **Web Frameworks & APIs**: Flask, Spring Framework, REST API Development, JMS Messaging
* **Databases**: PostgreSQL, SQL Server, Elasticsearch, PostGIS, Amazon S3
* **Cloud & DevOps**: Amazon Web Services (AWS), Docker, Vagrant
* **Security & Compliance**: OSCAL, FedRAMP, NIST, Cybersecurity Integrations (Tenable, Wiz), CLI Development
* **GIS & Spatial Analysis**: ESRI ArcGIS, ArcPy, ArcObjects, Spatial Databases, Geoprocessing