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## Work Experience

**Articulate**

**January 2023 – Current**

### Senior Data Engineer

- ❖ Merged and migrated two data warehouse environments from BigQuery and Redshift to Snowflake (Python, SQL)
- ❖ Built robust CI/CD checks across multiple core data repos to increase confidence in code deployments (Github Actions, Python, Terraform, Titan, dbt, sqlfluff)
- ❖ Developed custom data pipelines to incrementally ingest data from source APIs into Redshift and Snowflake (Python, Meltano)
- ❖ Created custom dbt macros to enable other engineers to quickly spin up their local environments (dbt, Jinja, Python)

**The Zebra**

**May 2018 – January 2023**

### Senior Analytics Engineer

- ❖ Transitioned data warehousing architecture to a modular framework, reducing Snowflake costs by 25% (dbt, Snowflake, Prefect)
- ❖ Partnered with Data Engineering to design a SQL unit testing framework, increasing confidence in code coverage and deployment health (Python, pytest, dbt)
- ❖ Created a regression testing framework to ensure historical data reporting integrity during deployments (data-build-tool, Jinja)

### Analytics Engineer II

- ❖ Implemented Prefect as our core automation and orchestration tool (Python)
- ❖ Eliminated manual Excel imports into the data warehousing environment with automated pipelines for cost reporting (Python)
- ❖ Transitioned third party ETL tool from Alooma to Fivetran

### Technical Data Analyst

- ❖ Architected new data warehouse and reporting environment, reducing build times by 50% with incremental + ephemeral materialization strategies (data-build-tool, jinja, Snowflake)
- ❖ Partnered with Data Engineers to define new data streaming event schemas
- ❖ Created and maintained python import and export jobs for third party API integrations (Python)
- ❖ Trained end users on front end reporting tools (Looker)

**Under Armour**

**November 2016 – May 2018**

### **BI Developer**

- ❖ Created and maintained data models in an SAP HANA data warehouse environment
- ❖ Enabled end users to create dashboards and reports through standardized reporting datasets available in Tableau and Business Objects
- ❖ Coordinated requirements gathering meetings to determine best data modeling architecture and solutions

### **Data Analyst**

- ❖ Created standardized reporting hub through single source of truth data models and front end analytics tools
- ❖ Partnered with SAP ERP implementation consultants to translate old data models into a new data warehouse environment (SAP HANA)
- ❖ Trained end users on new front end reporting tools (Business Objects, Webi, Tableau)

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## **Education**

**Bachelor of Science - Finance & Information Systems**

**August 2012 - May 2016**

University of Maryland, College Park

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## **Skills**

### **Programming**

- ❖ SQL, Python, Javascript

### **Frameworks & Tools**

- ❖ dbt, Ninja, Fivetran, Stitch, Titan, Prefect, Spectacles, terraform, Meltano, Github Actions, Gitlab Pipelines, Titan, Prefect, Airflow, funnel.io - Proficient

### **Cloud**

- ❖ AWS, GCP

### **Analytics & BI Tools**

- ❖ Looker, Tableau, PowerBI, Business Objects, Webi

### **Databases**

- ❖ Snowflake, Redshift, BigQuery, Postgres, Hadoop, SQL Server, SAP HANA - Proficient

### **Languages**

- ❖ English - Native
- ❖ French - Fluent
- ❖ Spanish - Proficient