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Dillon L. Stadther
Senior Data Engineer

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PROFESSIONAL EXPERIENCE

Senior Data Engineer   Aug 2019 — Present
Q2   *Cary, NC - Remote*

Senior member of Data Engineering team with experiences ranging from ETL job writing, to infrastructure development, to project planning, and mentoring.

Responsibilties
- Managed ETL for Data Engineering and Data Science for the benefit of two company products, amounting to approximately 50,000 job instances, nightly. Powered by Airflow, running both vanilla python and pyspark jobs.
- Led a proof-of-concept, planned a migration, and implemented a seamless transition from an Azure-based ETL to a Kubernetes-based solution. (From Azure Data Factory, Batch, and Databricks to Airflow on Kubernetes with a mix of Celery, K8sPod, and Spark on Kubernetes jobs).
- Inherited and automated a suite of ETL processes used to support and enable business monitoring and reporting operations for a newly acquired business unit.
- Utilized code reviews, requests for discussions (RFDs), documentation, and project proposals as teaching opportunities for fellow technical peers on the importance of strong communication skills in a technical career.
- Served as volunteer for a company-wide, quarterly, Squad Health Check program to provide teams a space for guided reflection on intra- and inter-team interactions as a means of identifying risks and successes, as well as setting goals for iterative improvement.

Data Engineer   Jun 2015 — Aug 2019
Republic Wireless   *Raleigh, NC*

Owner of internal data warehouse and associated ETL processes used by all departements to derive business insights.

Responsibilties
- Owned, managed, and developed internal corporate AWS Redshift data warehouse structure, views, and associated Python ETL processes. Warehouse contained 50+ billion rows across ~700 tables, processing ~10k queries per day.
- Developed software and processes for internal data movement, manifesting as prototyped applications, ingress data pipelines, and egress data distribution.
- Implemented data integrity processes through outlier detection for advanced warnings of ETL or data source corruption.
- Answered complex business questions by translating requirements into programmatic logic, through the development of tools, using Python and SQL.
- Managed AWS resource instantiation, configuration, security, and deployment.
- Administered internal data visualization platform, Periscope Data, and fulfilled reporting requests.
- Mentored peers on topics and best practices in data modeling, ETL, SQL querying, and Python development.

PERSONAL EXPERIENCE

Extracurricular technical development indirectly related to employment responsibilities and skills.
Highlights
- Workstation Bootstrap Project - created Ansible playbook to bootstrap personal laptops.
- Spotify Playlist Management Script - utilized "spotipy" Python SDK for Spotify playlist creation and management. Planned project around multiple milestones. First two milestone completed - brute force (poc) and object-oriented scripts.
- Luigi Contributor (2015-2019) and part-time Maintainer (2016-current).

EDUCATION

Bachelor of Science in Computer Science , *Gardner-Webb University, Boiling Springs, NC*   2011 - 2015

SKILLS

Languages	Python, SQL (Redshift, Postgres, SqlServer), Shell, Golang, Java, PHP
Platforms & Servies	GitHub, Azure DevOps, Jenkins, Jira, MacOS, Linux
Tools	Airflow, Luigi, Git, PySpark, Kubernetes, Terraform, Django, Flask, FastAPI

INTERESTS (NON-TECHNICAL)

Disc Golf, Pickleball, Minecraft (automation), Rubik's Cube