

(704)999-6120
Apex, NC
dlstadther@gmail.com

Dillon L. Stadther

Senior Data Engineer

GitHub: dlstadther
LinkedIn: dlstadther

PROFESSIONAL EXPERIENCE

Data Engineer
Republic Wireless

Jun 2015 — Aug 2019
Raleigh, NC

Owner of internal data warehouse and associated ETL processes used by all departments to derive business insights.
Report to Sr. Director of Software Development

Responsibilities

- Own, manage, and develop internal corporate AWS Redshift data warehouse structure, views, and associated Python ETL processes. Warehouse contains 50+ billion rows across 700 tables, processing 10k queries per day.
- Develop software and processes for internal data movement, manifesting as prototyped applications, ingress data pipelines, and egress data distribution.
- Implement data integrity processes through outlier detection for advanced warnings of ETL or data source corruption.
- Answer complex business questions by translating requirements into programmatic logic, through the development of tools, using Python and SQL.
- Manage AWS resource instantiation, configuration, security, and deployment.
- Administer internal data visualization platform, Periscope Data, and fulfill reporting requests.
- Mentor topics and best practices in data modeling, ETL, SQL querying, and Python development across the organization.

Key Projects

- (In Progress) Member Usage Metric Data Store Replacement - develop real-time member usage data ingestion, storage, retention, and access abstraction (API) to replace a legacy system and reduce its operational cost.
- Data Warehouse Consolidation and Transfer of Ownership - seamlessly consolidated and simplified Operations' data warehouses and ETL libraries into Engineering-managed and monitored ecosystem for improved accuracy, efficiency, and stability.
- Data Warehouse Ingestion Evolution - implemented structural consistency and dependency management through unification of custom ETL processes into Python, using Spotify's Luigi pipeline framework - led to role as Luigi Contributor and Maintainer.
- Prototype and Beta Test of SMS Chatbot Support Service - developed and evaluated SMS-based support chatbot to improve quality and speed of two-way support communications.

PERSONAL EXPERIENCE

Extracurricular technical development indirectly related to employment responsibilities and skills.

Highlights

- Personal Operations Infrastructure Deployment and Management - utilized Terraform/Terragrunt and Kubernetes to deploy OpenProject project management software in popular clouds, AWS and GCP.
- Stateless Build Cluster Proof-of-Concept - experimented with Jenkins' Configuration as Code (JCasc) plugin to deploy a purely stateless Jenkins build cluster using Kubernetes.

EDUCATION

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

2011 - 2015

SKILLS

Languages	Python, SQL (Redshift, Postgres), Shell, Java, PHP
Platforms & Services	GitHub, Jenkins, Jira, OpenProject, MacOS, Linux
Tools	Spotify/Luigi.git, Git, AWS, Ansible, Flask, GCP, Periscope Data, Kubernetes, Terraform

INTERESTS (NON-TECHNICAL)

Disc Golf, Pickleball, Weight Training, Rubik's Cube, Sudoku, Carpentry