

Aaron D. Gonzalez

SENIOR DATA ENGINEER

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| aarondgonzalez

Education

Cornell University

Ithaca, New York

B.A., AMERICAN STUDIES

- Concentrations: Race & Ethnicity and Class & Social Structure
- Minor: Development Sociology

Brooklyn College, The City University of New York

Brooklyn, New York

M.S., EDUCATION

- Concentration: Middle Childhood Education, Mathematics Specialist

Hunter College, The City University of New York

Brooklyn, New York

M.S.W

- Concentration: Clinical Practice with Individuals, Families, and Groups

Experience

Density

New York, New York

SENIOR DATA ENGINEER

Jul. 2022 - Present

- Designed and implemented ELT pipelines from various data sources into our Snowflake & BigQuery data warehouses.
 - Configured Fivetran connectors & wrote Python ELT pipelines to our data warehouse.
 - Securely created Docker images of our pipelines; deployed on Amazon ECS and GCP Cloud Run.
 - Setup AWS' CloudWatch metric alarms and SNS to add a level of data observability that was previously missing prior to my joining the team.
 - Advocated to adopt usage of a more robust Data Orchestration option; single-handedly ported legacy repos to use Prefect 2.0.
 - Wrote robust CI/CD workflows for our pipeline Git repositories.
- Managed our team's GCP project.
 - Designed and deployed our Data Analytics and Engineering team's data infrastructure.
 - With security in mind, configured custom IAM roles to adhere to principle of least privilege.
 - Evaded service account security risks with Workload Identity Federation to our GCP project from our existing AWS resources.
 - Experienced in optimizing complex queries for performance and cost efficiency.
- Owned and maintained the Data Analytics and Engineering team's dbt project.
 - Increased visibility of data lineage for our end users by securely hosting dbt docs for our organization.
 - Implemented best practices (where it made sense).
 - Designed schema dependent on use cases (e.g. Kimball dimensional vs Inmon normalized models).
- Administrated Density's Tableau Cloud.
 - Prioritized extracts over live connections to the data warehouse.
 - Constructed mission critical dashboards & views; leveraged Subscriptions and Alerts to enhance data accessibility.
 - Oversaw user management & security.
- Contributed to our OpenAI integration to develop a self-service data analytics feature for our customers.
- Conducted code reviews and mentored junior developers.

Dotdash Meredith

New York, New York

SENIOR DATA ENGINEER

Dec. 2021 - Jul. 2022

DATA ENGINEER

Dec. 2017 - Dec. 2021

- Interfaced with end users (e.g. Data Science, Performance Marketing, etc.) to implement custom data pipeline solutions to address requirements.
- Conducted design and code reviews with an emphasis on teaching junior members.
- Maintained, optimized, and developed new data integrations to curate our Presto & BigQuery data lake.
 - Optimistic Partition Adder reduced task execution time from >20 hours to a number of seconds.
 - Refactored a legacy PySpark job resulting in a 92% reduction in execution time.
- Decreased the introduction of tech debt in key repos by leveraging previously unused Git hooks.
- Built reports and dashboards by surfacing raw and transformed data in various BI reporting platforms.
- Utilized Docker to explore containerizing development environments for legacy Meredith & Dotdash DataOps teams.

Labaton Sucharow LLP

New York, New York

DATA ANALYST / PROGRAMMER

Oct. 2015 - Dec. 2017

- Administrated servers and relational databases.
 - Implemented fundamental DBA tasks related to backup, corruption checking and index maintenance.
- Designed, developed, and debugged data wrangling solutions to import client financial data into normalized databases.
- Maintained the firm's private repositories (e.g. Issue tracking, Git branch management, etc.).

Skills

Clouds

Amazon Web Services, Google Cloud Platform

Technologies

Python, SQL, DBT, Docker, Kubernetes, Fivetran, Prefect, Looker, Tableau, Bash, Git, Github Actions, Terraform, PySpark, Apache Beam, Hive