Gabriel (Runye) Wang

Data Engineer

Contact Info

540 Waverly Ave,
Brooklyn, NY, 11238

706-362-3561

me@gabrielwry.com

gabrielwry

https://gabrielwry.com

Education

B.S. in Computer Science
August 2014 - May 2018
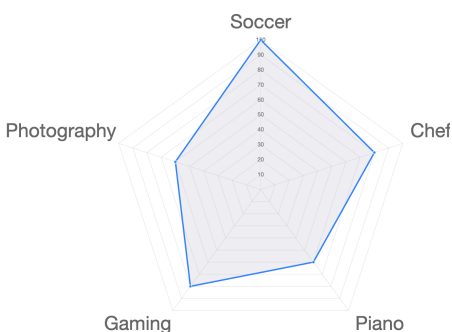Emory University, Atlanta, GA

Skills

Programming Language:

Python, Scala, Sql

Tool & Framework:

Spark, Airflow, AWS, Terraform, Looker, Docker, K8S, PagerDuty, DataDog, Kafka

Personal

Data Engineer with 5+ years professional experience in architecting and implementing scalable data platform to deliver end-end-end data solution.

Experience

Data Engineer, Tech Lead @ Stash, New York, NY

2021.06 - Present

- Lead Data Operation team of 4 data engineers to architect, implement and maintain data platform that serves Ingestion (**Airflow**), Governance (**Deequ** + **Datadog**), Analytics (**Looker**) and Streaming (**Kafka** + **Spark Structure Streaming**);

- Implement and lead on-call procedure and improve **data platform stability** by reducing daily failures by 80%; implement **AWS Cost saving** effort to cut monthly bill by 20% in 2 months;

- Collaborate with Marketing, Finance, Product and Machine Learning stakeholders to design and implement new components of data platform;

- Mentor junior engineer with software engineering best practice; lead code and design doc review; work with Engineering Manager on hiring decision,

Data Engineer @ TiltingPoint, New York, NY

2019.08 - 2021.06

- Designed and implemented **Spark ETL** pipeline with Airflow to ingest marketing data from 50+ APIs that powers BI tools which helps achieve company-level 300% revenue growth;

- Designed and implemented **Data Quality Validation** system with **deequ** on critical data services, deliver metrics for alerting and data presentation on **Prometheus**, **Cloud Watch** and **PagerDuty**

- Collaborate with Data Science team to research on **Marketing Mixed Model** for campaign targeting optimization while preserving privacy; deploy production model to **Databricks ML**, reducing CPI by 20%

Publication

"Making a Move: Geographic and Social Mobility in Late 19th Century Wedding Announcements in Turin *La Stampa*" - SSHA 2019 Annual Meeting, November 21-24

"Automatic Information Extraction of the Narrative Elements Who, What, When, and Where" - *Sociology Methodology 2020 June Edition*