

Aysan Habibzadeh

Junior Data Engineer

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Summary

Junior data engineer with an M.S. in Business Analytics (STEM) and experienced in building and automating data pipelines that turn raw, multi-source data into analytics-ready datasets. Designs ELT on Snowflake, dbt, and BigQuery with Python and SQL, implements data-quality and validation rules, and builds Power BI reporting with reusable semantic models and DAX. Applies AI/ML (XGBoost, anomaly detection) to surface issues early, with working knowledge of Databricks (PySpark) and Microsoft Fabric. Open to Relocation.

Skills

Languages & Querying: Python (pandas, NumPy), SQL (joins, CTEs, window functions, query optimization), R

Data Engineering & Cloud: ELT/ETL, data pipelines, Snowflake, dbt, BigQuery, data warehousing, GCP, AWS; Databricks (PySpark) and Microsoft Fabric (working knowledge)

BI & Modeling: Power BI (semantic models, DAX), Tableau, dashboards, KPI design, data visualization

Data Quality & AI: Data-quality rules and validation, data lineage and documentation, AI/ML (XGBoost, anomaly detection, predictive modeling)

Experience

Rabalon

Jun 2025 – Jan 2026

Data & Growth Analyst

Remote, San Diego, CA

- Designed and managed Python and SQL data pipelines on Snowflake and dbt, consolidating data from 8+ source systems into a single analytics layer and cutting manual data-prep time ~45%.
- Built analytics-ready Snowflake and dbt models that standardized KPIs and powered portfolio-style reporting across Product and Growth teams, processing 500K+ records/day.
- Implemented automated data-quality rules and validation in the ELT pipeline, improving dashboard data accuracy from ~88% to 98% and reducing monthly-report rework 30%.
- Developed Power BI dashboards with reusable semantic models and DAX measures, cutting the weekly reporting cycle from ~2 days to ~4 hours and letting teams spin up new dashboards in under a day.

Kallos Design & Marketing

Sep 2024 – Jun 2025

Business Analyst Intern

San Diego, CA

- Built and automated ETL integrating marketing and customer data from multiple sources into a central warehouse powering dashboards across 8+ accounts.
- Partnered with cross-functional stakeholders to translate business requirements into analytics solutions and reusable reporting.

Ferrum Capital

2020 – 2023

BI & Data Engineer / Financial Risk Analyst

Baku, Azerbaijan

- Built Python-based anomaly-detection and risk models to flag outliers in financial and credit data, helping identify potential issues 3–4 weeks earlier and reduce escalation risk.
- Optimized BigQuery data-warehouse workloads ~45% faster and built data models powering BI and executive reporting.
- Documented data lineage, business definitions, and KPI logic, and trained staff to self-serve analytics, increasing self-service adoption ~60% within six months.

Projects

Healthcare Analytics Capstone, UC Irvine

Jan – Jul 2024

AbbVie-sponsored / Python, SQL, XGBoost

- Engineered Python and SQL ETL over 1M+ records into BigQuery data marts and built XGBoost models (predictive and anomaly detection) for executive analytics.

Education

University of California, Irvine — M.S., Business Analytics (STEM)

Irvine, CA | 2024

ADA University — B.B.A., Business Administration & Management

Baku, Azerbaijan | 2021