

Amelia Morales

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Data engineer with 8 years building and running production pipelines.

Work History

Integration Engineer — Ridgeway Bank

Spring 2015 - Spring 2018

- Rebuilt the nightly billing reconciliation pipeline, raising freshness SLA compliance from 82% to 99%.
- Designed ingestion for 40+ third-party marketing sources, removing a manual month-end process that took two analysts three days.
- Designed streaming event capture for the mobile app, cutting nightly run time from 6 hours to 40 minutes.
- Instrumented the finance data mart used for statutory reporting.

Integration Engineer — Kestrel Payments

Autumn 2018 - Autumn 2020

- Owned the finance data mart used for statutory reporting.
- Designed streaming event capture for the mobile app, raising freshness SLA compliance from 82% to 99%.
- Built clickstream ingestion across four regions.

Backend Engineer — Ember Grid Utilities

Autumn 2020 - Autumn 2022

- Instrumented ingestion for 40+ third-party marketing sources, supporting a move from 2 to 14 markets without re-architecture.
- Designed the inventory reconciliation job, cutting nightly run time from 6 hours to 40 minutes.
- Rebuilt the nightly billing reconciliation pipeline.

Operations Manager — Pinnacle Rail

Spring 2022 - Present

- Decommissioned clickstream ingestion across four regions, supporting a move from 2 to 14 markets without re-architecture.
- Owned streaming event capture for the mobile app, removing a manual month-end process that took two analysts three days.
- Worked with stakeholder management across the team.

PROJECTS

Capstone project: Consolidated the customer 360 warehouse model using Airflow and Snowflake, unblocking self-serve reporting for 200+ internal users.

SKILLS

Fivetran, Delta Lake, Snowflake, Python

EDUCATION

BA Economics, State Technical University (2016)