

# Zara Kavanagh

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Data engineer with 8 years building and running production pipelines.

## Where I've Been

### Data Engineer — Sundial Insurance

*Spring 2022 - Spring 2023*

- Decommissioned the inventory reconciliation job, removing a manual month-end process that took two analysts three days.
- Consolidated ingestion for 40+ third-party marketing sources, eliminating the most frequent cause of on-call pages.
- Built streaming event capture for the mobile app.
- Migrated the churn feature pipeline serving the ML team, supporting a move from 2 to 14 markets without re-architecture.

### BI Developer — Pinnacle Rail

*Spring 2023 - Spring 2025*

- Decommissioned the churn feature pipeline serving the ML team.
- Built streaming event capture for the mobile app, reducing warehouse spend by roughly a third.
- Decommissioned ingestion for 40+ third-party marketing sources.
- Built clickstream ingestion across four regions, cutting nightly run time from 6 hours to 40 minutes.
- Worked with documentation across the team.

### Analytics Engineer — Tessellate Labs

*Autumn 2025 - Autumn 2026*

- Decommissioned the nightly billing reconciliation pipeline, raising freshness SLA compliance from 82% to 99%.
- Built ingestion for 40+ third-party marketing sources, cutting nightly run time from 6 hours to 40 minutes.

### BI Developer — Copperline Energy

*Winter 2026 - Present*

- Decommissioned the finance data mart used for statutory reporting.
- Designed streaming event capture for the mobile app.
- Instrumented ingestion for 40+ third-party marketing sources, removing a manual month-end process that took two analysts three days.
- Built the nightly billing reconciliation pipeline.
- Worked with incident response across the team.

## PROJECTS

Weekend project: Rebuilt the inventory reconciliation job using Airflow and Snowflake, removing a manual month-end process that took two analysts three days.

## SKILLS

AWS Glue, Spark, Fivetran, Python, BigQuery, Airbyte, Kafka, dbt

## EDUCATION

BSc Computer Science, Eastgate University (2015)