

Amelia Banerjee

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Data engineer with 21 years building and running production pipelines.

Work History

Big Data Engineer — Cobalt Mutual

Spring 2008 - Spring 2012

- Decommissioned the finance data mart used for statutory reporting, unblocking self-serve reporting for 200+ internal users.
- Owned the churn feature pipeline serving the ML team.
- Instrumented the inventory reconciliation job, raising freshness SLA compliance from 82% to 99%.
- Worked with documentation across the team.

Senior Data Engineer — Pinnacle Rail

Winter 2012 - Winter 2015

- Built ingestion for 40+ third-party marketing sources.
- Designed the nightly billing reconciliation pipeline, eliminating the most frequent cause of on-call pages.
- Rebuilt the customer 360 warehouse model, cutting nightly run time from 6 hours to 40 minutes.

Data Engineer — Fairlight Media

Summer 2015 - Summer 2019

- Instrumented ingestion for 40+ third-party marketing sources.
- Instrumented the churn feature pipeline serving the ML team, unblocking self-serve reporting for 200+ internal users.
- Built the nightly billing reconciliation pipeline.
- Worked with cost optimisation across the team.

ETL Developer — Saltmarsh Travel

Summer 2019 - Summer 2022

- Instrumented the inventory reconciliation job, unblocking self-serve reporting for 200+ internal users.
- Owned the nightly billing reconciliation pipeline, cutting nightly run time from 6 hours to 40 minutes.
- Decommissioned ingestion for 40+ third-party marketing sources.
- Migrated the customer 360 warehouse model.
- Worked with incident response across the team.

Data Engineer — Abbott & Reyes

Winter 2022 - Winter 2025

- Consolidated clickstream ingestion across four regions.
- Instrumented the finance data mart used for statutory reporting.
- Owned the nightly billing reconciliation pipeline.

BI Developer — Greyhart Consulting

Spring 2025 - Present

- Instrumented the finance data mart used for statutory reporting.
- Consolidated streaming event capture for the mobile app, removing a manual month-end process that took two analysts three days.
- Worked with cost optimisation across the team.

SKILLS

Delta Lake, Spark, Dagster, Kubernetes, BigQuery, Kafka, Redshift

EDUCATION

Diploma in Software Engineering, National Institute of Engineering (2002)