

Mikhail Zhao

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Data engineer with 10 years building and running production pipelines.

Experience

BI Developer — Cobalt Mutual

2019-09 - 2021-09

- Designed streaming event capture for the mobile app, cutting nightly run time from 6 hours to 40 minutes.
- Designed the finance data mart used for statutory reporting.

Data Engineer — Waypoint Mobility

2023-01 - 2024-01

- Decommissioned the nightly billing reconciliation pipeline, unblocking self-serve reporting for 200+ internal users.
- Migrated the churn feature pipeline serving the ML team, removing a manual month-end process that took two analysts three days.
- Built the customer 360 warehouse model.

ETL Developer — Kestrel Payments

2024-06 - 2025-06

- Consolidated clickstream ingestion across four regions, cutting nightly run time from 6 hours to 40 minutes.
- Consolidated ingestion for 40+ third-party marketing sources, eliminating the most frequent cause of on-call pages.
- Decommissioned the inventory reconciliation job, supporting a move from 2 to 14 markets without re-architecture.
- Rebuilt 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.

ETL Developer — Tinderbox Games

2025-08 - Present

- Instrumented the churn feature pipeline serving the ML team, raising freshness SLA compliance from 82% to 99%.
- Owned streaming event capture for the mobile app, supporting a move from 2 to 14 markets without re-architecture.

PROJECTS

Weekend project: Migrated ingestion for 40+ third-party marketing sources using Dagster and Postgres, unblocking self-serve reporting for 200+ internal users.

SKILLS

Delta Lake, BigQuery, Databricks, Snowflake, dbt

EDUCATION

Diploma in Software Engineering, Eastgate University (2015)