

Elif Petrov

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Data engineer with 17 years building and running production pipelines.

EXPERIENCE

Data Engineer — Ember Grid Utilities

Summer 2006 - Summer 2010

- Instrumented streaming event capture for the mobile app.
- Decommissioned clickstream ingestion across four regions, supporting a move from 2 to 14 markets without re-architecture.
- Designed ingestion for 40+ third-party marketing sources, raising freshness SLA compliance from 82% to 99%.
- Migrated the customer 360 warehouse model.

BI Developer — Kestrel Payments

Autumn 2010 - Autumn 2014

- Migrated the finance data mart used for statutory reporting, unblocking self-serve reporting for 200+ internal users.
- Instrumented streaming event capture for the mobile app, removing a manual month-end process that took two analysts three days.
- Migrated the nightly billing reconciliation pipeline.
- Migrated the inventory reconciliation job, reducing warehouse spend by roughly a third.

Senior Data Engineer — Pinnacle Rail

Spring 2014 - Spring 2016

- Built the customer 360 warehouse model, eliminating the most frequent cause of on-call pages.
- Consolidated ingestion for 40+ third-party marketing sources, raising freshness SLA compliance from 82% to 99%.
- Decommissioned the nightly billing reconciliation pipeline, supporting a move from 2 to 14 markets without re-architecture.
- Designed the inventory reconciliation job, removing a manual month-end process that took two analysts three days.

Analytics Engineer — Lumen Retail Group

Summer 2016 - Summer 2019

- Designed streaming event capture for the mobile app.
- Owned the churn feature pipeline serving the ML team, reducing warehouse spend by roughly a third.
- Built the nightly billing reconciliation pipeline.
- Worked with documentation across the team.

Analytics Engineer — Greyhart Consulting

Summer 2019 - Summer 2020

- Rebuilt ingestion for 40+ third-party marketing sources, supporting a move from 2 to 14 markets without re-architecture.
- Consolidated the customer 360 warehouse model, eliminating the most frequent cause of on-call pages.

ETL Developer — Quillon Software

Winter 2020 - Winter 2022

- Designed streaming event capture for the mobile app.
- Consolidated the nightly billing reconciliation pipeline, supporting a move from 2 to 14 markets without re-architecture.
- Instrumented the churn feature pipeline serving the ML team.
- Worked with cost optimisation across the team.

Data Platform Engineer — Lumen Retail Group

Autumn 2022 - Present

- Decommissioned the customer 360 warehouse model, cutting nightly run time from 6 hours to 40 minutes.
- Instrumented clickstream ingestion across four regions, eliminating the most frequent cause of on-call pages.
- Worked with documentation across the team.

PROJECTS

Open-source contribution: Migrated streaming event capture for the mobile app using dbt and BigQuery.

SKILLS

Airbyte, Spark, Snowflake, SQL, dbt, Databricks

EDUCATION

BSc Computer Science, Harlow University (2007)