

Sergei Lopez

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Data engineer with 9 years building and running production pipelines.

Professional Experience

Data Warehouse Engineer — Tinderbox Games

Mar'10 - Mar'11

- Built ingestion for 40+ third-party marketing sources, removing a manual month-end process that took two analysts three days.
- Instrumented the customer 360 warehouse model, eliminating the most frequent cause of on-call pages.
- Worked with mentoring across the team.

Big Data Engineer — Copperline Energy

Jun'11 - Jun'13

- Migrated the churn feature pipeline serving the ML team, reducing warehouse spend by roughly a third.
- Rebuilt clickstream ingestion across four regions, eliminating the most frequent cause of on-call pages.
- Migrated the nightly billing reconciliation pipeline, eliminating the most frequent cause of on-call pages.
- Built streaming event capture for the mobile app, supporting a move from 2 to 14 markets without re-architecture.
- Worked with data governance across the team.

Analytics Engineer — Kestrel Payments

Feb'13 - Feb'16

- Instrumented the finance data mart used for statutory reporting, cutting nightly run time from 6 hours to 40 minutes.
- Designed ingestion for 40+ third-party marketing sources, supporting a move from 2 to 14 markets without re-architecture.
- Decommissioned clickstream ingestion across four regions, reducing warehouse spend by roughly a third.
- Designed the churn feature pipeline serving the ML team, unblocking self-serve reporting for 200+ internal users.

BI Developer — Cobalt Mutual

Sep'16 - Sep'18

- Owned the finance data mart used for statutory reporting, removing a manual month-end process that took two analysts three days.
- Designed the customer 360 warehouse model, removing a manual month-end process that took two analysts three days.
- Built the nightly billing reconciliation pipeline.
- Built streaming event capture for the mobile app.
- Worked with stakeholder management across the team.

Analytics Engineer — Ridgeway Bank

Jul'18 - Present

- Decommissioned the churn feature pipeline serving the ML team.
- Decommissioned streaming event capture for the mobile app, raising freshness SLA compliance from 82% to 99%.
- Owned clickstream ingestion across four regions, supporting a move from 2 to 14 markets without re-architecture.
- Worked with mentoring across the team.

SKILLS

BigQuery, Terraform, Kafka

EDUCATION

BSc Mathematics, Northern Institute of Technology (2015)