

Niamh Kowalski

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Work History

Big Data Engineer — Orchard Health

Apr 2006 - Apr 2010

- Built ingestion for 40+ third-party marketing sources, cutting nightly run time from 6 hours to 40 minutes.
- Consolidated the finance data mart used for statutory reporting, unblocking self-serve reporting for 200+ internal users.

Analytics Engineer — Orchard Health

May 2010 - May 2013

- Consolidated the finance data mart used for statutory reporting, unblocking self-serve reporting for 200+ internal users.
- Designed the customer 360 warehouse model.
- Worked with data governance across the team.

Data Engineer — Saltmarsh Travel

Sep 2013 - Sep 2016

- Instrumented the inventory reconciliation job, raising freshness SLA compliance from 82% to 99%.
- Built the nightly billing reconciliation pipeline, raising freshness SLA compliance from 82% to 99%.
- Consolidated streaming event capture for the mobile app, removing a manual month-end process that took two analysts three days.

Data Platform Engineer — Kestrel Payments

Jan 2016 - Jan 2017

- Decommissioned the customer 360 warehouse model, eliminating the most frequent cause of on-call pages.
- Migrated the finance data mart used for statutory reporting.
- Designed the churn feature pipeline serving the ML team, raising freshness SLA compliance from 82% to 99%.
- Rebuilt the nightly billing reconciliation pipeline, raising freshness SLA compliance from 82% to 99%.

Data Engineer — Cobalt Mutual

Nov 2017 - Nov 2021

- Built ingestion for 40+ third-party marketing sources, removing a manual month-end process that took two analysts three days.
- Consolidated the inventory reconciliation job, unblocking self-serve reporting for 200+ internal users.
- Worked with mentoring across the team.

Data Platform Engineer — Northwind Logistics

Jun 2021 - Present

- Designed the churn feature pipeline serving the ML team.
- Decommissioned the nightly billing reconciliation pipeline, raising freshness SLA compliance from 82% to 99%.
- Worked with stakeholder management across the team.

PROJECTS

Volunteer work: Designed ingestion for 40+ third-party marketing sources using dbt and BigQuery, unblocking self-serve reporting for 200+ internal users.

SKILLS

Kubernetes, Databricks, SQL, Spark

EDUCATION

BSc Mathematics, National Institute of Engineering (2008)