Liesel Moravcik

Data Modeler

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SUMMARY

Data modeler with 8 years designing conceptual, logical and physical models for insurance and healthcare, working mainly in erwin, SQL Server and Snowflake. Built the policy and claims model now shared by 4 departments, and wrote the naming standard applied to 1,100 warehouse columns.

EXPERIENCE

Data Modeler — Merrowind Casualty

Portland, ME · Mar 2021 – Present

- Designed the logical and physical policy and claims model in erwin, replacing 3 overlapping schemas and cutting duplicate claim rows in finance reports from about 2,400 a month to under 20.
- Wrote the column naming and data type standard covering 1,100 warehouse columns, now checked automatically on every dbt pull request by a linting rule.
- Modeled a Type 2 slowly changing dimension for agents and territories, letting actuaries rerun 5 years of loss ratios by the territory that applied at the time.
- Led 14 model review sessions with underwriting and claims leads, settling 9 conflicting definitions of an open claim into one documented rule.
- Built a conformed date and policyholder dimension shared by 4 data marts, cutting new mart build time from about 6 weeks to 2.

Data Analyst, Modeling — Penobscot Valley Health

Bangor, ME · Jul 2018 – Feb 2021

- Designed the star schema for outpatient visits across 11 clinics, cutting the monthly volume report from 2 days of spreadsheet work to a 10-minute refresh.
- Reverse-engineered an undocumented scheduling database of 160 tables into an ER diagram that 3 engineering teams used during a vendor migration.
- Defined primary and foreign keys for 40 legacy tables that had none, removing about 7,000 orphaned appointment records before migration.

Reporting Analyst — Penobscot Valley Health

Bangor, ME · Jun 2016 – Jun 2018

- Wrote SQL reports on admissions and discharges for 6 department managers, documenting each source table in a shared data dictionary.
- Flagged 4 fields used with different meanings across clinics, which became the first items in the network's data dictionary.

SKILLS

Modeling tools: erwin Data Modeler, ER/Studio, SqlDBM, Lucidchart

Modeling methods: Conceptual, logical and physical modeling, 3NF, dimensional modeling, Data Vault 2.0 (basic)

Databases and platforms: SQL Server, Snowflake, PostgreSQL, Oracle

Languages and tools: SQL, dbt, Git, data dictionary and metadata documentation

CERTIFICATIONS

CDMP Associate (DAMA International), 2022

EDUCATION

B.S. Information Systems, University of Southern Maine, 2016

Fictional example by FindAJobAI: the person, employers and numbers are invented.