Hannah Kowalski

Senior Data Architect

Senior Data Architect with 9 years in data architecture, data modeling and database development for healthcare, wealth management and utilities. Leads Azure and Snowflake analytics platforms, runs data governance with business stewards, and has retired a 22 TB Oracle warehouse without missing a reporting deadline.

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Experience

Senior Data Architect

Keystone Health Alliance • Philadelphia, PA • 02/2023 - Present

Integrated health system with 12 hospitals and 1.8 million patient visits a year.

- Lead data architecture for the enterprise analytics platform on Azure and Snowflake serving **1,400** users.
- Set data modeling and naming standards across 5 domain teams and review every new model before release.
- Chair the data governance council, where 9 data stewards certified 180 clinical and financial measures.
- Planned the retirement of an Oracle warehouse, moving 22 TB and 600 reports with no missed regulatory deadline.

Data Architect

Liberty Bell Wealth Partners • Philadelphia, PA

05/2020 - 01/2023

Wealth management firm with $40 billion in client assets.

- Designed dimensional modeling for the client and account data marts used by 300 advisors.
- Rebuilt 85 ETL jobs in Azure Data Factory, shortening the nightly batch window by **3 hours**.
- Defined master data rules that merged 210,000 duplicate client records.
- Wrote Python data quality tests that run on every load and alert data owners within 15 minutes.

Database Developer

Delaware Valley Utilities • King of Prussia, PA

06/2017 - 04/2020

Electric and gas utility serving 900,000 customers.

- Wrote Oracle PL/SQL and SQL for billing and meter reads covering **900,000** accounts.
- Tuned 40 slow queries, bringing month-end billing jobs from 11 hours to 4.
- Supported the outage reporting database through 3 major storm events with no data loss.
- Built an Oracle archive process that cut database storage growth by 30% a year.

Skills

Data Architecture
Data Modeling
Dimensional Modeling , SQL
Snowflake , Azure , Oracle
Data Governance , ETL
Python

Education

Bachelor of Science

Drexel University

Philadelphia, PA

06/2017

Information Systems

Certificates

Certified Data Management Professional (CDMP)

DAMA International • 09/2022

SnowPro Core Certification

Snowflake • 04/2023