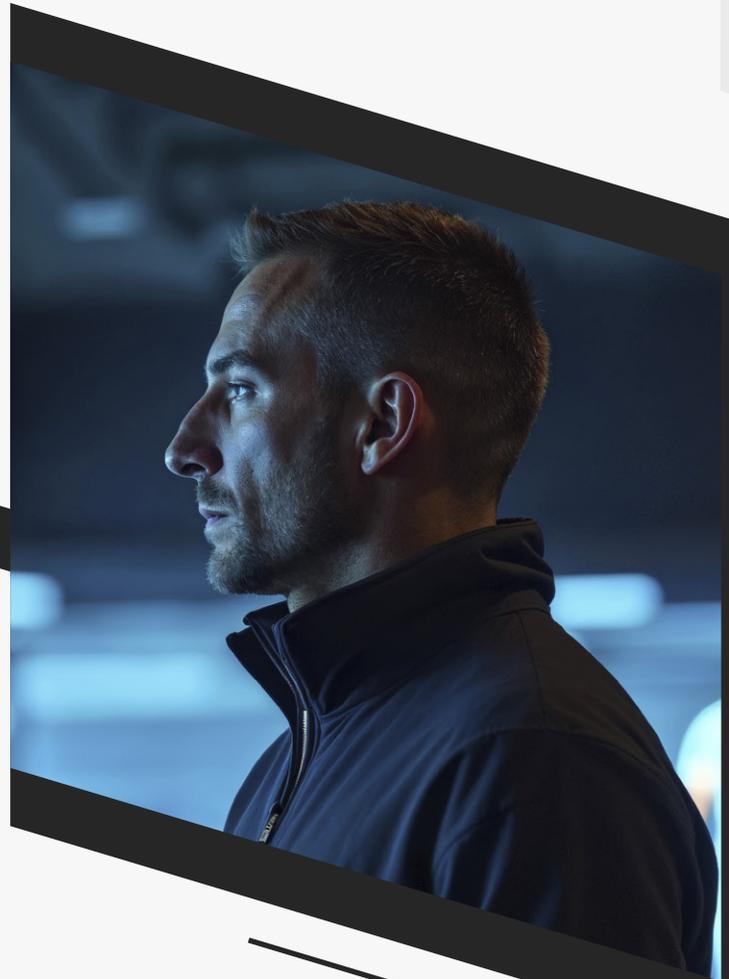


Success Story

Prescribing the **Next-Gen Data Architecture** to Innovate Medical Analytics



Introduction

A leading US MedTech Company wanted to modernize their data architecture to meet increasing analytics demands, so they reached out to Exavalu for advisory and implementation services.

Challenges

- The on-premises data platform struggled to keep up with high order demands like prescriptive analytics, and patient-centric insights, resulting in slow, inconsistent and limited data delivery.
- Data was siloed in various departments, limiting the implementation of unified analytics.
- Futureproofing evolving data needs, third party integrations, and consumption patterns.

How Exavalu Made an Impact

- Built cloud data architecture for Enterprise Data Organization with source data integration patterns, data lake formation and medallion architecture, spark based ETL, data warehouse, BI and analytics platforms.
- Developed an Enterprise Data Warehouse in **Snowflake**.
- Migrated from Informatica code to Spark based Glue ETL jobs, orchestrated via AWS Lambda and Step Functions, integrating data from JDE, EBS, PPA systems.

Tech Stack

AWS S3, Lambda, Glue, Athena, Airflow, Snowflake

Benefits

- Data lake storage enabled advanced analytics teams to develop predictive and prescriptive models independently.
- Cloud data warehouse ensured fast, high-quality data delivery to consumers and applications.

Key Highlights

- Advanced Analytics-ready Data Storage

200+

Entities in Snowflake

50%

Reduction in ETL run-time

25+

Sources integrated with
Cloud Data Lake

