BOYLE
SOFTWARE
A **Beyondsoft** Company

Visualizing data across platforms through a unified and customized data mart

At a glance

Expected goals
Deploy unified and customized data mart that allows better data visualization across platforms

Industry
Healthcare

Business problem
Unifying data across healthcare services and affiliate partner platforms using data mart

Solution
Created a pipeline to pull out data across source tables and populate data on customized data mart

Context

A leading US-based physician practice service provider with the largest market share and several partner companies pursuing worldwide medical outsourcing services. It outsources physicians in emergency medicine, hospital medicine, anesthesiology, critical care, obstetrics, orthopedic surgery, general surgery, ambulatory care, post-acute care, and medical call centers.

Business problem

The client had a unified, but legacy data mart. They wanted to pull data for various reports and dashboards across platforms without writing extensive, complex code logic, as these logics have been incorporated into these tables. The client's analytics team intends to use the tables fast, which required pushing them to production.

Expected goals

The key goals expected from this engagement were:

- Execute the project without compromising the data quality or making the process too complex while populating the data mart.

Solution delivered

Beyondsoft delivered the following solutions to the client:

- Created pipelines to pull data from source tables by applying transformation logic and loading data into final tables.

Solution highlights

- The solution used cutting-edge technology to trigger the process on a daily basis.

Technology stack Deployed

ELT Process: Python Framework

Cloud: AWS

AWS Services: DMS, Secret Manager, S3, Airflow

Database: Snowflake

Outcomes of the engagement

The key outcomes achieved through the solution are:

Enhanced control over visualizing data

The solution helped the client to populated the required tables with accurate data for better visualization and analysis.

Improved data-driven decision-making capabilities

Improvement in deriving key insights from the data and enhancing decision-making capabilities.

Key project outcome metrics

22
more data mart
populated

BOYLE
SOFTWARE

A **Beyondsoft** Company

Since our founding 35 years ago, Boyle Software has been a company that is far more than the sum of its parts.

A subsidiary of global consultancy Beyondsoft since 2020, we pride ourselves on our highly skilled team, full of passion and knowledge for the latest design concepts and technologies.

Headquartered in New York City since 1995, we have operations in Europe and resources all around the globe - from Uruguay to Costa Rica, from Singapore to Thailand.