Industry: Higher Ed   **Technology:** Databricks, Informatica   **Use Case:** SaaS MDM, CDI, DG, Medallion Architecture in Azure Databricks, Data Visualization and analytics

Kamehameha Schools

Kamehameha Schools

LumenData is helping Kamehameha Schools to modernize its Data with Informatica Master Data Management to consolidate constituent data and provide golden records.

Challenge

- Lack of data governance & security guidelines to protect PII data.

- Incomplete and duplicate data hinders in providing personalize experience to different constituents playing different roles within the KS Org.

- Enhance the architecture to implement real time integration to meet the business SLA.

- Incorrect reporting due to incomplete & inaccurate data.

Objective

- Modernize the enterprise platform & leveraging cloud native & AI powered data management capabilities.

- Implement real time data pipelines with CDC capabilities.

- Expand the MDM Platform by adding new source systems.

- Master Land, Tenants, Employees and program data.

- Enable CDGC to view end-to-end data lineage & upload classifications and business glossaries.

Solution

➢ Implement Medallion architecture in Azure Databricks.

➢ Develop real time Informatica CDI and Databricks pipelines to meet real time SLA.

➢ Onboard new 14 source systems to enrich the student, parents and learner master data.

➢ Consolidate over 4 million constituents' data & show holistic views of constituents playing different roles such as Parents, Donor, student etc.

➢ Provide curated data to downstream systems and Power BI for reporting & data analytics.

➢ Publish real time master data to downstream systems.

➢ Implement DaaS email validation service to validate emails during data entry.

Outcome

- Improve marketing to differentiate between students and prospects.

- Provide most trusted and complete data back to source systems.

- Real time data integration with Azure Databricks

- Process structured, semi structured, and unstructured data

- Enhanced data reporting, visualization, and analytics

- Accurate KS constituent data & reduction in duplicates to improve communication.

- Improve data sharing across enterprise.

- Enhance data governance & implement security measures to protect PII data.