

IMPLEMENTING A SCALABLE DATA MESH AND DATAOps SOLUTION

INTRODUCTION:

A leading organisation partnered with Engaging Data to design and implement a scalable Data Mesh environment, enabling enhanced data analytics, data science, and data governance.

The collaboration focused on developing robust DataOps solutions to streamline data workflows and improve operational efficiency.

CLIENT BACKGROUND:

- Manufacturing
- Global
- Oracle, CI/CD

The client operates in a data-driven industry requiring sophisticated data management solutions.

With a growing demand for analytics and governance, they sought expert guidance to establish a scalable and efficient DataOps framework within a Data Mesh architecture.

CHALLENGES:

The organisation faced several key challenges:

- The need to implement a scalable Data Mesh environment.
- Establishing a DataOps solution that integrates seamlessly with Databricks and GitHub.
- Upskilling internal teams to understand DataOps methodologies and best practices.
- Implementing a parallel DataOps solution using Oracle and GitHub.
- Ensuring continuous improvements in data analytics, data science, and governance.

ENGAGEMENT:

The Engaging Data team provided expert knowledge and hands-on implementation throughout the project, including:

- Designing and implementing a DataOps solution for Databricks with GitHub, ensuring automation and efficiency in data workflows.
- Upskilling key members of the client's team, supporting their understanding of technologies, business processes, and data modeling techniques.
- Developing a second DataOps solution using Oracle with GitHub, expanding the organization's capabilities and aligning with their Data Mesh strategy.
- Providing ongoing support to DevOps, Data Modelling, and Data Engineering teams, ensuring effective adoption and continuous improvement.

RESULTS:

The implementation delivered significant benefits, including:

- A fully functional Data Mesh environment enabling scalable data analytics and governance.
- Automated DataOps processes improving operational efficiency.
- Enhanced collaboration between development and data engineering teams.
- Upskilled internal teams with improved knowledge of DataOps best practices.
- Increased adaptability and continuous enhancement of data-driven initiatives. compliance.

CONCLUSION:

By designing and implementing DataOps solutions within a Data Mesh framework, Engaging Data has enabled the client to optimize their data management and analytics capabilities.

With ongoing support and upskilling, the organisation is now positioned for continuous data-driven innovation and operational efficiency.

LET'S MAKE YOUR ORGANISATION A SUCCESS STORY!

GET IN TOUCH NOW:

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