BBI

CLOUD MIGRATION IN FINTECH

https://www.bbinsight.com/

PROJECT SUMMARY

An online lending organization's legacy system made it difficult to scale and deploy new features quickly.

They needed a modern data platform that enabled data-driven decision making and supported them as they scaled.

OBJECTIVES

- Migrate client to AWS.
- Enable client to identify new business cases and opportunities to target new customers, as well as understand existing customers.
- Implement best practices around data governance, quality, and reporting.
- Reduce time to market for product updates.

SOLUTION

- Built new pipeline infrastructure and migrate system to AWS.
- Integrated and transformed data using PySpark and AWS EMR; Dremio for the query layer; Alation for cataloging; Sentry for incident management; and Infogix for data quality.
- Set up multi-tenant ETL system to accommodate varied target systems.
- Quickly created a stable system that we could then innovate on in collaboration with client teams.

OUTCOMES

- Documented, reusable data migration process.
- Automated data ingestion and data logging frameworks result in reduced costs and faster time to market.
- Modern data platform in AWS, built with cloud best practices and customized to client's goals.
- Actional insights generated from existing customer data.

DATA HIGHLIGHTS

Variety:
- 15+ integrated tech stacks
- 135 jobs/DAGs
- 5+ source systems

Volume:
- ~2 billion records in data warehouse
- ~9 billion records in data lake

BBI ACCELERATORS

EMR Cluster Creation Package

Campaign DAG Generation Package