

DATA ENGINEERING: RE-PLATFORMING AND CLOUD MIGRATION FROM VERTICA TO SNOWFLAKE

TECH STACKS:



CLIENT:

The world's largest online family care platform, the client offers an array of services that enable families to find, manage and pay for care and provide employment opportunities for caregivers.

CHALLENGE:

To re-platform and migrate complex and varied data sources to Snowflake data warehouse on AWS. The challenge was to streamline and process 34 data sources which are globally distributed with varied data formats. The whole platform needed to be highly scaled both vertically and horizontally.

SOLUTION:

Implemented the Lambda architecture to create a Data Lake. Snowflake database was chosen for massive parallel processing. Executed a robust data governance model and created functional and engineering roles to meet the RBAC requirements. The requirement of having raw and unmasked data for data science teams was met with highest degree of data security.

