UDAYKIRAN REDDY TIPPIREDDY

Job duties

- Led successful migration from **Snowflake to Databricks**, resulting in a **50% cost reduction** (~$2 million USD per annum) from proof of concept to production.
- Developed and implemented **client onboarding, role-based access control (RBAC), and schema change management** for Snowflake and Databricks platforms.
- Created dashboards for cluster monitoring, resource utilization, and cost monitoring for both Snowflake and Databricks environments.
- Designed and expanded **data sharing capabilities** for clients using Snowflake and data lake solutions.
- Contributed to various cost optimization initiatives at AWS, resulting in **~$1 million** in annual savings.
- Built **platform for on-boarding on-premise data** to **Data lake** on **AWS**
- Built ETL frameworks for **data ingestion and data anonymization pipelines** using Spark and AWS stack (EMR, StepFunctions, Lambda, S3, SNS, SQS) which drives **payments and merchant analytics**
- Optimized cost for data ingestion and **reduced $10,000 per month**
- Collaborated with Engineering team in **designing and developing Reporting API** which delivers on-demand, scheduled reports to ISV, merchant users from AWS S3 and Vertica to various delivery channels (Webhook, SFTP, E-mail)
- Extended **Reporting API** service for **authenticated report downloads** using **CloudFront**
- Scaled the product to support ad-hoc analytic queries for technical and business users.
- Built CI/CD pipeline to deploy various services in AWS using **CloudFormation**.
- Built **Data lake** on **AWS,** Ingested data from various **structured** sources (RDBMS) and **Unstructured** sources
- Collaborated with Engineering team in **designing and developing open source projects** Kosh - Metadata repository , DataSpider - Metadata crawler, BotWorks – Distributed message driven workflow engine for data ingestion
- Automated the generation of data ingestion pipelines for StreamSets ETL tool
- Collaborated with Engineering team to solve **unstructured - data ingestion problem** and increased the **efficiency of data ingestion by 75%** compared to competitor.
- Developed and maintained the product ExpertScribe, integrated Instamojo **payment gateway, automated notification service** and also developed admin dashboard