

UDAYKIRAN REDDY . T

Software Engineer

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EMPLOYMENT

Experience : 9 Years

CommercelQ, Bangalore, India – *Software Development Engineer - III* *SEP 2022 - Ongoing*

- Led successful migration from **Snowflake to Databricks**, resulting in a **30% cost reduction** (~\$1 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 various dashboards for cluster monitoring, resource utilization, and cost monitoring for both Snowflake and Databricks environments.
- Contributed to various cost optimizations at data ingestion and ETL pipelines in Databricks.
- Designed and expanded **data sharing capabilities** for clients using Snowflake and data lake solutions.

Paysafe Group, Hyderabad, India – *Senior Platform Engineer*

JUN 2019 - SEP 2022

- 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.

Modak Analytics, Hyderabad, India – *Software Engineer*

FEB 2017 - JUN 2019

- Built **Data lake on AWS**, Ingested data from various **structured 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

PERSONAL PROJECTS

- [COVID - Live dashboard](#) to track cases across world - Built using Java Spring , Elastic search, Kibana and docker
- Built [To-Do app](#) using ReactJs, Django that can be hosted on Heroku
- Built [OCR - text extractor](#) using Java and tesseract libraries to recognise text from handwritten notes.

ACHIEVEMENTS

- Awarded Sprint Champion multiple times for finishing critical work in short period of time at Paysafe
- Received “GSK - Global Employee Recognition Award” from GlaxoSmithKline client for the design and development of Kosh and Bots.
- Awarded “Orion Employee of the year” - 2017-2018
- Awarded “Best employee of the Quarter” - Q3 – 2018

SKILLS

- **Languages** : Java, Java script, Python, Go, Spark
- **Data Lakehouse** : Snowflake, Databricks
- **Other technologies/services** : AWS, Azure, GCP, Apache Kafka, New Relic, Prometheus
- **Databases** : Oracle, MySQL, PostgreSQL, SQLServer, Solr, ElasticSearch, Redis, DynamoDB
- **DevOps tools** : Terraform, Jenkins, Bitbucket, Gitlab, Docker, Kubernetes

EDUCATION

- **Electronics and Communication Engineering**, CVR College of Engineering – JNTU, Hyderabad – B. Tech (2012-2016)