



## WORK EXPERIENCE

### Senior Software Engineer

HSBC Software Development (India) Pvt Ltd

08/2021 - Present

#### Achievements/Tasks

- Experience in GCP Dataflow, Airflow, Dataproc, Compute Engine, Cloud storage, Bigquery, Pubsub and Cloud SQL.
- Automated provision of various GCP resources with encryption enabled and workspace setup with sensitive data masking, Flyway, infrastructure setup for Airflow using shell scripts, Jenkins and Terraform.
- Established CI/CD pipelines for artefact deployment using Jenkins with active integration of code quality checks like Checkmarx, Sonarqube, Sonatype-IQ scans.
- Production maintenance and support- GCP infrastructure and compliance upgrade/updates like VM and image creation, service account key refresh, Dataflow template updates, Airflow maintenance and setup, Secrets, GCS and Bigquery automation.
- IAM role management- least privilege, Cloud SQL SSL enablement and testing.
- Enabled Alerting and monitoring on resources for health checks and provided notifications for better management of incidents.
- Setup data pipelines for External data consumption and movement to Cloud services like Bigquery and Cloud SQL scheduled using Airflow. Migrated Hadoop jobs to GCP using Dataproc and setup clusters with cloud SQL.

### Software Engineer

HSBC Software Development (India) Pvt Ltd

07/2018 - 07/2021

#### Achievements/Tasks

- Designed solutions, analysed different source systems like transactional, customer data to move from mainframes to GCP cloud data platform in real time mode.
- Established batch mode data pipelines in cloud Dataflow with transformations performed on the ingested data from GCS, PubSub to cloud SQL/ BQ.
- Created NiFi flows to consume data from Kafka topics and ingest to GCP from On-prem.
- Setting up, monitoring and maintenance of IBM CDC for subscriptions.

## EDUCATION

### BE Electrical and Electronics Engineering

ANITS - AP, India

05/2014 - 04/2018

### Business Analytics - Certification

Upgrad

01/2022 - 04/2022

## SKILLS

GCP

Airflow

Dataflow

Cloud Storage

BigQuery

Flyway

Jenkins

Cloud SQL

Pubsub

Dataproc

Java

ComputeEngine

Python

Terraform

## ADDITIONAL SKILLS

### Business Analytics

- Business Problem Solving
- Statistics and EDA
- Predictive Analysis (using Excel)
- Tableau

## ACHIEVEMENTS

### Process Improvement & Productivity

With NO existing deployment patterns and automation in place, setup the entire infra of the Project and established quality pipelines from scratch by upskilling in DevOps within a short span. Improved productivity and saved time by 50-60%

### Quality & Incident Management

Developed secured jobs or pipelines aligned with data security and minimised incidents by 75%

### Cost Reduction

Enabled Alerting and Monitoring on resource usage and extracted them to BigQuery for reviewing patterns.