

SKILLS

- **CLOUD:** AWS & Microsoft Azure
- **AWS:** S3, Athena, DMS, Glue, Data Pipeline, Aurora, RDS, DynamoDB, Document DB, Lambda Function, API Gateway, Fargate, Parameter Store, Code Pipeline, Cloud formation, Cloud watch, Secret Manager, Event Bridge, VPC, EC2, EMR, ECR, ECS, EKS, SNS, SQS, SES, IAM.
- **Programming language:** Python, PySpark.
- **Database:** MySQL, PostgreSQL, MS SQL Server, Oracle, MongoDB.
- **ETL Tool:** DMS Express, Informatica.

CERTIFICATIONS

- Microsoft Azure Fundamentals. (AZ-900)
- Microsoft Azure AI Fundamentals. (AI-102)
- Microsoft Azure Architect Technologies. (AZ-103)
- Microsoft Azure AI Engineer Associate. (AI-100)

EDUCATION

- Adhiyamaan College of Engineering, Hosur, Tamil Nādu.

B. Tech IT **2015 - 2019**

An AWS Data Engineer with more than 5 years of experience in service and product companies. Worked in various cloud data migration projects. Solved data mysteries for different domains like E-Commerce, Healthcare, and Insurance. Have designed scalable & optimized data pipelines to handle Petabytes of data, with Batch & Real Time frequency. Built serverless DataPipeline and serverless Rest APIs in AWS. Taking ownership and working with Business Teams & Stake holders.

WORK EXPERIENCE

- **Carrer Break** **March 2023 – Present**
Opted for a sabbatical to manage rehabilitation efforts for full physical recovery from an accident, prioritizing personal health and well-being.
- **Aligned Automation, Bengaluru** **Aug 2022 – March 2023**
Role: Solutions Engineer
Project: GT Connect.
Client: Lilly
Description: GT Connect is migrating an existing legacy health care application named AMT to AWS environment in Lilly and developing all the existing AMT functionalities like File Upload, New Transaction, Search Transaction, User Management.
Technologies: AWS, PySpark, Python, SQL, GitHub, JIRA.

Roles & Responsibilities:

- Requirement gathering from client and understanding the existing legacy AMT application with full functionalities.
- Designed & Prepared AWS Architecture diagram, Data flow diagram, ER diagram.
- Have done POCs for File Upload in AWS glue and ECS Fargate.
- Created GitHub repos for Dev, Qa, Prod with cloud formation template.
- Worked in yaml template files to create IAM roles, s3 buckets, event bridge, lambda functions, glue jobs, secret managers, SES, RDS.
- Developed Python code in lambda function to trigger glue job based on put object event trigger in event bridge.
- Developed pyspark script to load excel data to Postgres DB after checking the multiple validations in the file by using AWS glue job.
- Sending job results as emails to users after validating file using SES.
- Storing all the job logs and status of the jobs in Postgres DB.
- Developed Serverless API for new transaction & search transaction to insert & retrieve the data from Postgres DB using API.
- Deployed all the Pyspark and Python scripts using CodePipeline as per Lilly standards.
- Worked in documentation to understand the process of all the developed modules.
- Participated in code walkthrough with clients and onshore team once done the respective module.

WORK EXPERIENCE

Project: LRL Learning & Development – Data Ingestion

Client: Lilly

Description: LRL Learning and Development - Data Ingestion is a course learning legacy application in Lilly, ingesting various types of data (excel, CSV, Postgres DB) to single Postgres database by following EDB guidelines like Raw to Refined and Refined to Conformed

Technologies: AWS, PySpark, Python, SQL, GitHub, JIRA.

Roles & Responsibilities:

- Requirement gathering from client and understanding existing legacy learning course LRL application with full functionalities.
- Designed & Prepared AWS Architecture diagram, Data flow diagram, ER diagram.
- Created GitHub repos for Dev, Qa, Prod with cloud formation template.
- Worked in yaml template files to create IAM roles, s3 buckets, event bridge, lambda functions, glue jobs, secret managers, rds.
- Developed Python code in lambda function to trigger glue job based on put object event trigger in event bridge.
- Developed PySpark script to ingest raw data (excel, csv files) to refined layer RDS Postgres DB after cleansing the files using AWS glue job.
- Developed PySpark script to ingest refined layer PostgresDB along with LRL Postgres DB data to conformed layer Postgres DB by applying business logic transformations.
- Developed Serverless API to expose conformed layer Postgres Db data to users to retrieve the data from conformed layer Postgres DB using API.
- Deployed all the PySpark and Python scripts using CodePipeline as per Lilly standards.
- Worked in documentation to understand the process of all the developed modules.
- Participated in code walkthrough with clients and onshore team once done the respective module.

➤ **Infosys, Bengaluru.**

Oct 2021 – Aug 2022

Role: Associate Business Analyst

Project: PME Database Archival Solution

Client: Nike

Description: Database Archival solution is moving older data that is not needed for everyday operations from active databases to inexpensive AWS Cloud storage. The migrated older data needs to purge once the migration has done. Generating reports after the successful completion migration. Later move back the archived data to new instances for future references. Implement the whole thing in a Slack application as user friendly.

Technologies: AWS, PySpark, Python, GitHub, Terraform, Jenkins

Roles & Responsibilities:

- Requirement gathering and preparing architectural diagram & design documents for Archival, Purge, Report generation and Restoration.
- Responsible for analyzing the required AWS services and done POC's for Archival process in DMS, DataPipeline, Glue.
- Created the required AWS services in Dev, Qa and Prod environment using Terraform scripts.
- Worked on PySpark scripts in glue jobs for archiving & restoring data from RDS (Mysql, Postgres), DynamoDB, Document DB to S3.
- Created Python scripts inside the glue job for creating and run the crawler after completing the ETL glue job.

WORK EXPERIENCE

- Send the success & failure message based on the glue jobs and workflow results.
- Implementing the glue jobs in glue workflow for running glue ETL job and Crawler job along with glue triggers
- Created lambda function for receiving input from API gateway and trigger the glue workflow along with required parameters.
- Developed python scripts for purging the required data from the data stores like RDS (MySQL, Postgres), DynamoDB, DocumentDB
- Implementing the purge framework in Fargate.
- Storing all the logs and status of the module in DynamoDB.
- Created lambda function to receive inputs from user and trigger the purge fargate framework.
- Developed python scripts for generating reports once the migration has successfully done.
- Deployed all the developed python scripts using Jenkins CICD Pipeline and implemented as per Nike standard process.
- Participated in code walkthrough with clients and onshore team once done the respective module.

➤ Artech Infosystems - Client: IBM, Bengaluru

Dec 2019 - Oct 2021

Role: Application Developer

Project: Blue Cross Blue Shield of Massachusetts (BCBSMA)

Description: Blue Cross and Blue Shield Association for Massachusetts is a Health Insurer Provider that provides health care services for Massachusetts. There are Host and Home plans for the insurers.

Team: History Migration in Claims.

Technologies: Mainframe – JCL, VSAM, COBOL, DB2.

ETL Tool – DMExpress Syncsort

AWS – S3, Athena, Glue.

Roles & Responsibilities:

- Responsible for analyzing files in Mainframe, gathering the job status and file information of the application.
- Requirement gathering and preparing Master mapping document with file information and copybooks.
- Worked on creating Syncsort (ETL Tool) tasks & jobs, used filters and conditions to extract as a .csv file format.
- Performed UAT test against Mainframe files and Syncsort .csv files.
- Worked on AWS S3 for creating buckets and loading files into S3.
- Worked on AWS Athena for creating tables based on the file and done Athena queries based on the requirement.
- Creating Design Documents for Syncsort & AWS.
- Participated design walkthrough with clients once done the migration works.

➤ IPrimed Educations Solutions, Bengaluru

Jul 2019 – Dec 2019

Role: Software Engineer Intern