

Putta Shyam Sundar

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PROFESSIONAL SUMMARY

- Having around **3.2 years** of experience in IT and worked on multiple technologies like Amazon Web Services (AWS), Python, Oracle, Snowflake
- Good experience in migrating the applications from on prem to **AWS**
- Experience in migrating the on prem data from different sources using different AWS services like Database Migration Service, S3, Lambda function, AWS Glue jobs, API Gateway, DynamoDB, RedShift, CloudWatch, SNS, Step functions, Redshift, KMS, IAM, EC2, VPC
- Extensive Knowledge in automating AWS infrastructure using **HashiCorp Terraform**
- Experience in spinning up EC2 with user data, creating security groups, Lambda functions, using Terraform
- Experience in using variables, dynamic blocks, modules in Terraform
- Experience in fetching the JSON data from REST API's using Lambda functions and triggered by **S3 events and CloudWatch alarms**
- Experience in using **API Gateways with Lambda function** and fetching the table data from **Lambda function to DynamoDB**
- Setting up lifecycle policies on **S3 buckets** for specific retention period on most accessed data
- Experience in working on different file formats like wky, dbf, csv, erl, wb files using Lambda function
- Experience in setting up notification alerts using **SNS** and monitoring, creating alarms using CloudWatch
- Experience in creating **IAM** roles, adding users, modifying the policies
- Experience in Design, Development, Implementation and Testing of AWS services using Python
- Experience in creating new Git repositories, working on **GitHub** repositories for code commits

- Good knowledge in developing python scripts and debugging of python code.
- Excellent analytical, problem solving, interpersonal skills with ability to interact with individuals at all levels
- Experience using pandas, Numpy and matplotlib for data cleaning and analysis.
- Good knowledge in data modeling and data warehouse.
- Having good knowledge on Container Orchestration using Kubernetes

TECHNICAL PROFICIENCY

Cloud Computing : Amazon Web Services (AWS)

Infrastructure Tool : Terraform

Programming Language : Python, JSON

IDE/Tool : VS code

Version Control : GIT, GitHub

Other Tools : Putty, PuttyGen

Databases : SQL Server, Oracle

Operating Systems : Windows 7\XP, Linux

Server Technology : Tomcat

Internet Technologies : HTML

MS Office : MS-Word, MS-Excel, PowerPoint, Visio

Industry Verticals : Healthcare, Banking, Database Warehouse creation

Pipelines : Gitlab CI/CD, Jenkins

Unit Testing : Pytest

EDUCATION

- Bachelors of Technology in Software Engineering from SRM University, Chennai

SKILLS

AWS (Amazon Web Services)

- IAM
- S3
- Lambda
- CloudWatch
- SQS
- SAM
- EventBridge
- DynamoDb

- Simple Notification Service

WORK EXPERIENCE

Cognizant, Hyderabad

Role: Software Engineer Jan 2021 - Present

This project is to create a pipeline from AWS to Snowflake. The data resides in S3 buckets and in different file formats which needs to be transformed using multiple business logics before moving to snowflake. The lambdas are developed in python language using the frameworks boto3, pandas and Numpy. From snowflake, the reports are generated using Tableau for the management to review on a daily basis.

Responsibilities:

- Gathering requirements from client and performing analysis on data
- Establish relation between the Snowflake and cloud using different design approaches
- Develop the code in python based on the requirement and embed the code into AWS cloud
- Various services of AWS like S3, Lambda, Glue, SNS, CloudWatch alarms were used
- Finally, reports are generated using Tableau from Redshift
- Validation of entire flow and designing the flow documentation along with technical design documentation

Technology & Tools: HashiCorp Terraform, AWS services like Database Migration Service S3, Lambda, Glue, SNS, CloudWatch, Python, GitHub, Snowflake, Tableau, Excel, dbf etc file formats