

Putta Sai Pranav

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PROFESSIONAL SUMMARY

- Having around **4 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, CloudWatch, SNS, Step functions, Redshift, KMS, IAM, EC2, VPC
- Basic 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 **DynamoDB to Lambda function**
- 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, eml, 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.

TECHNICAL PROFICIENCY

Cloud Computing	: Amazon Web Services (AWS), Google Cloud Platform (GCP)
Infrastructure Tool	: Terraform
Programming Language	: Python, JSON
Frameworks	: Pandas, Numpy, Matplotlib
IDE/Tool	: VS code
Version Control	: GIT, GitHub
Other Tools	: Putty, PuttyGen
Databases	: SQL Server, Oracle, Snowflake
Operating Systems	: Windows 7\XP, Linux
Server Technology	: Tomcat
Internet Technologies	: HTML
MS Office	: MS-Word, MS-Excel, PowerPoint, Visio
Industry Verticals	: Healthcare, Banking
Pipelines	: Gitlab CI/CD, Jenkins
Unit Testing	: Pytest
Orchestration Tools	: Kubernetes

EDUCATION

- Bachelors of Technology in Information Technology from SRM University,

Chennai **SKILLS**

AWS (Amazon Web Services)

- IAM
- S3
- Lambda
- CloudWatch
- Simple Notification Service

GCP (Google Cloud Platform)

- Cloud Function
- Dataproc Cluster

WORK EXPERIENCE

Trianz: Digital Evolution Simplified, Hyderabad

Role: Sr. Software Engineer October 2021 – Present

Gray Matter Analytics Services has healthcare data such as disease code, diagnosis data, patient id, policy number, medical background, personal information etc. This data can be utilized to better understand the risk and composition to enhance the development of services. The health care data of patients is collected over time. This data needs to be migrated to AWS. The data resides in Oracle server as well as in different file formats.

Responsibilities:

- Gathering requirements from client and performing analysis on data
- Establish relation between the on-premise and cloud using different design approaches
- Developed python scripts based on the requirement and embedded the code into AWS
- Testing the code in different environments and then moving to production environment
- Preparing technical design documentation for end user reference

Technology & Tools: HashiCorp Terraform, AWS services like S3, Lambda, SNS, CloudWatch, Python, GitHub, Oracle, JSON, Excel

Paccar, India (Freelancer)

Role: AWS Developer Jan 2021 – Oct 2021

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, wky, dbf etc file formats

Computer Age Management Services.Ltd Role: Data Engineer June 2019 – Jan 2021

The basic requirement of this project is to gather raw data from different files and formats. Using Python pandas and business logic, data will convert to CSV format, then data will be loaded into Oracle database after analysis. This project includes development of PowerBi reports and providing the dashboards on a weekly basis.

Responsibilities:

- Involved in requirement gathering from client and peer to peer discussions
- Connected to different data sources like Oracle and performed data blending in PowerBi
- Created custom queries and used it in development of PowerBi reports
- Experience in using different frameworks like pandas and Numpy to perform basic analysis and cleansing of data.
- Experience in unit testing and validation of the reports and preparing the technical design documents

Technology & Tools: PowerBi, Oracle, Python