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PROFESSIONAL SUMMARY

AWS Data Engineer

- Overall, 2+ years of experience in IT industry, expert in using Python, PySpark with extensive conceptual knowledge, SQL server and AWS services.
- Working experience on Python, IBM COBOL, SQL server, S3, Athena and Lambda.
- Have good knowledge on databases like SQL Server.
- Involved in migration of SQL Server Databases from the lower version to higher versions and on-prem to AWS Cloud.
- Hands on experience in Backup & Recovery, Creation, moving databases, Configuring & Deletion of Databases, Security Management, Memory Management and database maintenance activities.
- Experience in the maintenance of Database authentication modes, creation of users and logins, configuring permissions and assigning roles to users.
- Exposure in end-to-end development python scripting, right from requirement analysis, system study, designing, coding, testing, documentation, implementation and building data pipelines using AWS.
- Worked on migrating SQL server data to AWS using IICS and AWS services like Glue jobs, S3 etc.
- Skilled in implementing efforts towards enhancement and maintenance of python scripts.
- Exposure towards AWS Services like Amazon CloudWatch, Amazon S3, Lambda Functions, Step Functions, AWS Glue and AWS RDS.
- Hands-on experience in Data statistics for different types of problems with different techniques.
- Good understanding the issues, providing proper clarifications and getting the defect fixes quickly.
- Creating AWS S3 directories as per requirement and loading the data files.
- Performed PySpark transformations according to business requirement.
- Worked in Agile Project Development Model.
- Experience in building data intensive applications, tackling challenging architectural and scalability problems.

TECHNICAL SKILLS:

Database	: MySQL, MS SQL Server, Redshift
Development / Tools	: PyCharm, Visual Studio Code
Delivery Methodology	: Agile
OS Platforms	: Windows 10
Scripting Language	: Python
Cloud Technology	: AWS, IICS

CERTIFICATIONS:

- 'Python for Everybody (Getting Started with Python)' from University of Michigan through Coursera.
- Paper published on 'intersection point based lines detecting and tracking algorithm' at IBS International Summer School 2017, Lau Busch-Germany.

PROFESSIONAL EXPERIENCE

Organization	Role/Designation	Period	Duration (in Yrs.)
ITCrats Info Solutions Pvt Ltd	Data Engineer	Jun 2021 to Till Date	2 Years 4 Months

Project#1

Client	:	**Global Payments**
Duration	:	**July 2023 to till date**
Role	:	**Developer**

Project Description:

The goal of this project is to migrate existing on-prem relational database source data to the cloud data platform. As source data becomes available, the data warehouse for each domain may be developed in AWS RDS.

Roles and Responsibilities:

- Migrate on-prem SQL SERVER databases into AWS RDS.
- Created SQL Scripts for merging, partitioning and validations.
- Re-defining access model and redesigning data maintenance activities.
- Created/migrated SQL Agent jobs on RDS instance.
- Debugging the issues and fixing them.
- Data validation in Dev, QA, and Production environments.

Environment: AWS (RDS, EC2, SES, S3), MS SQLSERVER, Jenkins, GIT, Python.

Project#2

Client	:	**Globe Life - QlikView**
Duration	:	**December 2022 till June 2023**
Role	:	**Developer**

Project Description:

The goal of this project is to migrate existing relational database source data to the cloud data platform. This project provides raw data access to aid with data governance and analytics. As source data becomes available, the data warehouse for each domain should be developed in AWS Redshift.

Roles and Responsibilities:

- Analysing the source data.
- Created the Views, DDL and DML statements.
- Created SQL Scripts for joining, checking null data and aggregation.
- Developed data pipelines to migrate data from SQL server to AWS using IICS, AWS S3 and Glue Jobs.
- Created the Glue job to load data into the Redshift from S3.
- Performed Queries on Redshift from the S3 bucket.
- Debugging the issues and fixing them.

Environment: Python, AWS, IICS, SQL, Redshift, Azure Devops.

Project#3

Client	:	**Globe Life - GLB**
Duration	:	**July 2022 to December 2022**
Role	:	**Developer**

Project Description:

AWS-FTP will be used to receive source data, which will then be placed into the cloud platform. This project provides raw data access to aid with data governance, analytics, profiling, and reporting. The data warehouse can be constructed as soon as source data is accessible.

Roles and Responsibilities:

- Analysing the source data.
- Developed automation scripts in Python to convert Easytrieve layouts into parameter files.
- Created SQL scripts for joining, checking null data, and aggregation.
- Migrated data to AWS Redshift using AWS S3 and Lambda services.
- Developed Python scripts that convert text files to tab-delimited files.
- Performed queries on Athena from the S3 bucket.

Environment: Python, AWS, SQL, Easytrieve, Azure Devops.

Project#4

Client	:	**Globe Life – B2A**
Duration	:	**June 2021 to June 2023**
Role	:	**Developer**

Project Description:

Source transform (EBCIDIC to ASCII conversion) and load mainframe data to the cloud data platform. This project enables access to raw data to facilitate data governance, analytics, profiling activities and reporting. As source data is available, the data warehouse can be built for each respective domain.

Roles and Responsibilities:

- Analysing the source data.
- Developed automation scripts in Python to convert COBOL/Easytrieve layouts into parameter files.
- Created SQL scripts for joining, checking null data, and aggregation.
- Developed Python scripts that convert EBCIDIC binary files to tab-delimited ASCII files.
- Performed queries on Athena from the S3 bucket.
- Developed data pipeline to migrate mainframe data to AWS using AWS lambda services.
- Involved in data cleaning and removing duplicate data.
- Involved in the CDC process.
- Preparing the UTP & UTR.
- Debugging the issues and fixing them.
- Data validation in Dev, QA, and Production environments.

Environment: Python, AWS, IICS, SQL, COBOL, Easytrieve, Azure Devops.

QUALIFICATION

Master of Science (Technical University of Chemnitz, Germany)