**AWS Data Engineer**

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Summary:

Skilled AWS Data Engineer with experience in application configurations, code compilation, packaging, building, automating, managing and releasing code from one environment to other environment and deploying to servers.

Professional Summary:

* 4+ IT Experience
* Understanding of Data Warehouse/ODS, ETL concept and modeling structure principles
* Accomplished various tasks in big data environment which involved AWS Glue, Data Lake, and SQL EMR, Authena,SNS,SQS.
* Excellent in Data Analysis, Data Validation, Data Cleansing, Data Verification, and Data Mismatch Identification.
* Experience in Data warehousing - OLTP, OLAP, Dimensions, Facts, and Data modeling.

Work Experience:

Currently working as Software Engineer 3I Infotech, Bangalore from March 2018 to Till Date.

Technical Skills:

 AWS, Spark, Python, AWS Data Lake Gen2, AWS Databricks, AWS Glue, Kubernetes, Redshift

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| OS & Environment | Windows, Linux. |
| Version Control Systems | GIT, Github,TFS |
| Build Tool | Maven |
| CI/CD Tool | git |
| Cloud Technologies | AWS Glue,PySpark,Cloud watch, SNS, SQS, Databricks, Lambda ,Step functions,Redshift |
| Ticketing Tool | JIRA |

Professional Experience:

**2. Project Profile:**

Client : Grosbasket ,USA .

Designation : AWS Data Engineer

Duration : 2020 April to till Date

**Responsibilities:**

* Worked on Data analysis, Data profiling, Source to target mapping, Data specification document for the conversion process.
* Worked with system architects to create functional code set cross walks from source to target systems.
* Apache Spark Data Frames/RDD's were used to apply business transformations and utilized Hive Context objects to perform read/write operations.
* Re -write some queries to Spark SQL to reduce the overall batch time.
* Worked on Cloud watch logs to move application logs to S3 and create alarms based on a few exceptions raised by applications.
* Used Flume to collect, aggregate, and store the web log data from various sources like web Create, modify and execute DDL in table AWS Redshift tables to load data.
* Performance tuning the tables in Redshift and Worked on Production support for Spark jobs.
* Creating S3 buckets also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Configuring Network Subnets, Route Tables, Association of Network ACLs to Subnets and Open VPN  
  Experience to manage IAM users by creating new users, giving them a limited access as per needs, assign roles and policies to specific user.
* Reviewing the explain plan for the SQLs in Redshift & working with NoSQL,PostgreSQL, **Mongo DB, Apache Cassandra**.
* Wrote ETL transformation rules build pipelines.
* Prepared the test plans for the component integration testing based on the logic's written.
* Performed component integration testing to check if the logics had been applied correctly from one system to other system.
* Used COPY to bulk load the data.
* Experience in setting up separate application and reporting data tiers across servers using Geo replication functionality.
* Implemented Disaster Recovery and Failover servers in Cloud by replicating data across regions.

**1. Project Profile:**

Client : O2 Telecome, UK

Designation : Systems Engineer

Duration :March-2018- April- 2020

**Roles and Responsibilities:**

* Working As L2 support in AWS Cloud ops environment.
* Installation of patches and packages using RPM and YUM in Red hat Linux.
* Azure events, storage, computing ,networking setups and integrations.
* Scheduling the jobs and analyzing Cron jobs status.
* Create and manage storage using multipath, and LVM.
* Performance monitoring utilities like IOSTAT, VMSTAT, SAR and TOP.
* Experience on package management via RPM, YUM.
* Building customized azure vm images,taking snapshot on monthly basis for backup purpose.
* Configure the storage accounts, blob ,queue, azure cdn.
* Creating users and Group providing them with suitable permissions. Managed Users and Groups, File/Directory Permissions under Linux.
* Handling the scheduling tasks (Crone jobs and task scheduler) for the scripts for various purposes. Setting up of Cron jobs for scheduling few tasks.
* Backup and Recovery using Tools like Tar and gzip.

**Environment**: AWS, Windows , Linux, service now Tomcat, JIRA.

**Educational Qualification:**

MASTER OF COMPUTER APPLICATIONS (MCA).