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PROFESSIONAL SUMMARY

AWS Senior Cloud Data engineer with 7 years of experience in AWS Cloud ETL pipelines and Data warehousing.

AWS Cloud, On-prem Datawarehouse: ETL Pipelines

Developed and Implemented below ETL pipelines:

- ❖ **Built AWS could ETL server less pipeline** with flow of AWS DMS, S3, Lambda, Python, Glue, Athena, SNS, Step functions, Cloud watch etc. which provides Autoscaling, High Availability and Cost effective.
- ❖ **Cloud Datawarehouse solution:** Designed and Deployed EC2 Cluster, Redshift spectrum and Redshift AWS petabyte Datawarehouse in private subnets.
- ❖ **Developed Informatica ETL pipeline** with Power Center tool - Source Analyzer, Data warehousing designer, Mapping & Mapplet Designer and Transformation Designer.

Professional Summary:

- • Extensive working and hands-on knowledge of AWS glue, AWS S3, AWS Redshift, ETL (Informatica Power Center, Pentaho), SQL, Netezza, Jasper Soft Reporting Tool, Tableau Reporting Tool, Postgres SQL, and Passing Data to AWS Glue using JSON.
- • Designing and building infrastructure to support customers AWS-based Cloud services and infrastructure
- • Designed and Developed end to end pipelines in AWS using S3, Glue, Python, Athena, Lambda and Redshift
- • Handled Optimizing long running Redshift queries
- • Good knowledge on application and Data migrations from on-prem to AWS
- • Migrate existing databases from on premise to AWS using various tools including but not limited to AWS Data Migration Services and AWS Schema Conversion Tool.
- • Extensive AWS hands-on experience with Redshift, S3, Spark SQL.
- • Having Good Knowledge in data warehouse design, implementation, and performance optimization, with in depth experience in Oracle, MS SQL Server, Jasper Soft reporting, and ETL tools.
- • Experience with Amazon Web Services (AWS) S3.
- • Involved in Dimensional Data Modeling using Star Schema/Snowflake Modeling techniques
- • Extensively worked with SQL, Stored Procedures, Functions and Triggers and involved in Query Optimization using parallelism and partitioning the target ETL load.
- • Excellent analytical and programming skills with a good understanding at the conceptual level and possess excellent presentation, interpersonal skills with a strong desire to achieve specified goals.

TECHNICAL SKILLS

AWS Cloud services	Glue, Athena, Spectrum, Redshift, S3, EC2, Lambda, SQS, SNS, Step function, CloudWatch.
Big Data	Hadoop Ecosystem, Spark
Databases	Sybase, Oracle, SQL Server, Postgres, Redshift, Snowflake.
NoSQL Databases	Elastic search.
Languages	Python, Java, Shell Scripting.
ETL Tool	Informatica Power Center, Pentaho
Reporting Tool	Tableau, Jaspersoft
CICD Tools	GitHub, Jenkins

Experience:

Wall Street English, Chennai   **06/2021 – Present**
Senior Cloud Data Engineer

Responsibilities:

- Strong knowledge in implementing ETL pipeline for Redshift and Snowflake Datawarehouse's in AWS cloud.
- Responsible for creating Well-Architected Serverless ETL pipeline using DMS, S3, Glue, Athena, Lambda, Python, Snowflake, Step function, Airflow.
- Used Spectrum, Glue, Glue Crawlers, Athena services to query large amount of data stored in S3.
- Implemented fully serverless ETL pipe line:
  Ingestion from on premise server Oracle: AWS Database migration service, SCT (Schema conversion tool), AWS storage raw layer: S3 standard.
  Curation/transformation: lambda, Glue, s3. file formats: JSON, Parque.
  Loading to snowflake: stage and Bulk loading using copy.
  Orchestration: Airflow, lambda, step functions, DBT.
- Experienced in migrating existing Oracle database from on premise to AWS Redshift using various AWS services.
- Wrote Redshift UDFs and Lambda functions using Python for customer data transformations.
- Experience in developing functions for Elastic Search.
- Working closely with PMO, Developers and QA team for building the infrastructure and application troubleshooting.

- Leading development team in designing/migrating AWS cloud-based solutions
- Lead the project of migrating on premise pipeline into AWS. Improved the load time by 80%
- Designed and developed ETL pipeline to collect and process data from different sources

- Developed end to end pipeline (Extract/Collect, load, transform) in AWS using AWS tool stack (Glue, Lambda, SNS, S3, Athena, Redshift and Python Script
- Developing Featuring Data Set for Machine Learning Model.
- Created Python Code in AWS Glue to transfer the date from Azure DB to AWS Redshift.
- Created ETL Pipeline to transfer data from Azure DB to AWS S3 for some territory.
- Migrating SSRS Reports to Power BI Report for that, transferring data from Azure DB to AWS Redshift by creating stored producers.
- Working on Stored Producers in Azure DB for Power BI Reports.
- Working on onboarding internal clients to AWS pipeline by helping them migrate their code to AWS.
- Working on moving share point file to AWS S3 by using AWS Glue Python Script.
- Supporting BI tools (power BI) across organization.
- Documented designs and presented before senior management.

Perficient India, Chennai   **04/2019 – 06/2021**
Associate Cloud Data Engineer

Responsibilities:
- Created Data Warehouse in AWS Redshift with star and snowflake schema.
- Migrated SQL Database to AWS Redshift by using Pentaho, Informatica ETL.
- Developed end to end pipeline (Extract/Collect, load, transform) in Pentaho ETL, AWS S3 and AWS Redshift.
- Using Redshift Database created Jasper Soft and Tableau Standard Reports for Organization.
- Deployment is done by using Docker by using Jenkins
- Monitoring is done by Jenkins and Python.

IVY Mobility Solution, Chennai   **08/2015 – 06/2018**
Data Engineer

Responsibilities:
- Created ETLs from transactional databases to Data warehouse and fine-tuned them, without overloading the source and destinations.
- Worked on extracting complex data from Informatica and Netezza.
- Created ETL Pipeline in Informatica to build the data by using Netezza DB, the logic is build based on the Excel sheet.
- Created the Base, Main and Transfer tables.
- Created Base table for build the basic and common feature and condition.
- Build Main table for the special feature with the complex logic with the join query in SQL and some Python Scrip.
- Created Transfer table for providing Excel sheet in WinSCP.
- Created Test Cases and Test Scenarios for Unit Testing.
- Created ETL and shell scripts to load data into Database.

EDUCATION:
6/2011 – 6/2015 Anna University, India
- Bachelor of Engineering in Computer Science.