**Aniketh U**

**Data Engineer/ Data Analyst / Tableau/BI Reporting Analyst**

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**SUMMARY:**

* Offering 10+ Years of experience in Analysis, Design, Programming and Testing with Teradata and its utilities using UNIX and Informatica.
* Completed Teradata basics and SQL certification which deals about the architecture and functionality of Teradata data warehouse.
* Good Acquaintance with the ETL tool Informatica.
* Experience in migrating different and on-Premise Databases to Snowflake and thorough exposure to Data warehousing and its related concepts.
* Rich usage experience in various utilities of Teradata such as Mload, Bteq, TPUMP etc.
* Experience in working with AWS s3 and snowflake.
* Strong hands-on experience using Teradata utilities (SQL, B-TEQ. Fast Load, MultiLoad, FastExport, Tpump. Visual Explain, Query man), Teradata parallel support and Unix Shell scripting.
* Experience on Teradata tools and utilities (BTEQ. Fast load, Multi Load, Fast Export, and TPUMP).
* Well versed with AWS services such as Lambda, Step Functions, Redshift, Glue, EMR, EC2.
* Experience in handling and contacting administration of database is like my SQL and no SQL data bases like MongoDB.
* Experienced in Installation, Configuration, and Administration of Informatica Data Quality and Informatica Data Analyst.
* Experience in all the latest BI Tools **Tableau and Power BI.**
* Expertise in SQL Server Integration Services (**SSIS**) and SQL Server Reporting Services (**SSRS**) with good knowledge on SQL Server Analysis Services (**SSAS**).
* Excellent experience in data Extraction, Transformation and Loading ETL using various tools such as SQL Server Integration Services SSIS and SQL Replication.
* Have strong, hands-on experience and extraction of the data from various sources systems ranging from mainframes like DB2, flat files, SQL server, Teradata, etc.
* Created debugging and performance tuning of source, targets, mappings, transformations, and sessions.
* Expertise in analysis, developing Dimensional models using stars and snowflake schema techniques in dimensional and multi dimensional modeling.
* Good Knowledge on SAS Macros, SAS SQL, SAS Stat and SAS Graph in UNIX environment.
* Experience in creating tagging standards, using ECT and AWS resources, confident, and designed EC2 instances in cloud, and other environments to set up cloud, watch alerts using EC2.
* Profound knowledge about the architecture of the Teradata database and experience in Teradata Unloading utilities like Fast export.

**TECHNICAL SKILLS:**

**Database:** Teradata, Oracle, SQL Server, Graph DB, SSIS, SSRS, SSAS, Transact-SQL MS-Excel.

**ETL Tool:** Informatica, Teradata SQL Assistant, Data Bricks.

**Reporting:** Power BI

**Tools &Utilities:** BTEQ, MLOAD, FLOAD and other Teradata Utilities

# UNIX Shell Scripting

**Scheduling Tool:** Autosys

**Cloud:**  Snowflake, AWS, Data Bricks - Delta Lake, EMR, EC2,S3,STEP FUNCTIONS,AWS data lake.

**PROFESSIONAL EXPERIENCE:**

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| **Client** | **AT&T** |
| **Duration** | **December 2020 – Present** |
| **Role** | **Data Engineer** |

**Responsibilities**:

* Captured Amazon Machine Images (AMI's) of EC2 Instance for snapshots and creating clone's instances for the applicati and created AMI tags and modified AMI permissions.
* Worked on creating server-less Micro services by integrating AWS Lambda, 53/Cloud watch/AP| Gateway.
* Experience in working with Amazon IAM service enabled to grant permissions and resources to users managed roles and permissions of users
* Performed end-to-end Architecture & implementation assessment of various AWS services like Amazon EMR, Redshift.
* Used AWS EMR to transform and move large amounts of data into and out of other AWS data stores and databases, such as Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB.
* Worked with Kafka admin team to set up Kafka cluster on the QA and friction environments.
* Hands on experience on data analytics, data bricks workspace with Pyspark and python and spark SQL.
* Mapping/Designing the attributes from the extraction team data and developing the Physicalized objects, BTEQ Load Jobs which loads the data into Physicalized tables in order to serve the reporting needs.
* Scheduling the Load jobs, migrating the objects to different environments, fixing the defects raised in SIT/QA environment etc.
* Designing the ETL jobs using DataStage tool to load data from multiple source system to Teradata Database and Parallel jobs to load the data into the Target Schema
* Created load scripts using Teradata Fast Load and Mload utilities and procedures in SQL Assistant.
* Analyze the SQL script and designed the solution to implement using Py spark.
* Optimized the performance of AWS-hosted applications with CloudWatch monitoring resulting in a 10% decrease in error rates.
* Used AWS command line client and management console to interact with **AWS** resources and APIs.
* Worked and Developed interactive visualizations and dashboards in Tableau to provide insights into data, resulting in a 25% increase in data-driven decision making.
* Made the best use of the metadata from Teradata’s data dictionary for coding this application which is used to keep track of the privacy settings imparted to the views.
* Developed end-to-end data analytics framework utilizing Amazon Redshift, Glue and Lambda enabling business to obtain KPIs faster with reduced costs.
* Experience in the development improvement and maintenance of snowflake database applications.
* Implemented AWS Step Functions to automate and orchestrate the Amazon SageMaker related tasks such as publishing data to S3.

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| **Client** | **UNITED AIRLINES** |
| **Duration** | **December 2018 – Nov 2020** |
| **Role** | **Data Engineer** |

**Responsibilities**:

* The goal of this project is to leverage and/or enhance existing month end data flows to consolidate data from each Wells Fargo lending system of record into a single source from which it can be extracted for LCSC reporting.
* This will eliminate numerous disparate processes and allow LCSC data aggregation to be managed by a single group of subject matter experts.
* Generating XML Files for submission and uploading them to UI.
* Mapping/Designing the attributes from the extraction team data and developing the Physicalized objects, BTEQ Load Jobs which loads the data into Physicalized tables in order to serve the reporting needs.
* Designing and implementing data ingestion pipelines from multiple sources using AWS Databricks
* Working with event based / streaming technologies to ingest and process data.
* Designed and developed data models and data warehouses in Snowflake.
* Experience working with cross-functional teams to develop and maintain data pipelines and integration processes, resulting in increase of data processing and efficiency.
* Scheduling the Load jobs, migrating the objects to different environments, fixing the defects raised in SIT/QA environment, etc.
* Automated and scheduled recurring reporting processes using UNIX shell scripting and Teradata utilities such as MLOAD, BTEQ and Fast Load.
* Expertise in Data modeling (Dimensional & Relational) concepts like Star-Schema Modeling, Snowflake Schema Modeling, Fact and Dimension tables.
* Handling the care issues which were raised as part of the production release.
* Designing the ETL jobs using the DataStage tool to load data from multiple source systems to Teradata Database and Parallel jobs to load the data into the Target Schema
* Created load scripts using Teradata Fast Load and Mload utilities and procedures in SQL Assistant.
* Extensively worked on deployments using GIT, Bit Bucket and python on every sprint Designed and developed a real-time data pipeline using Snowpipe to load data.
* Working with BI team to design and implement data models in Snowflake for reporting purposes.
* Made the best use of the metadata from Teradata’s data dictionary for coding this application which is used to keep track of the privacy settings imparted to the views.
* Developed reusable and optimized components in the form of macros which are used to date for the purpose of checking Privacy conditions for the views undergoing any changes in BOA’s data warehouse.

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| Client | VISA- Austin, TEXAS |
| Duration | February 2018 – November 2018 |
| Role | DATA Analyst |

**Responsibilities:**

* Wholesale Credit Risk team, within the Credit & Market Risk Department, is primarily responsible for implementing the credit risk strategy approved by the Board, developing procedures and systems for managing credit risk, carrying out an independent assessment of credit risk, approving individual credit exposures and ensuring portfolio composition and quality.
* Handling the Production issues which were raised as part of production job run.
* Validating the data from SQL Server to Snowflake to make sure it has Apple to Apple match.
* Handling the Enhancement or new development related to this application.
* Hands-on experience with Snowflake utilities, Snow-SQL, Snow-Pipe, Big Data model techniques using Python.
* Responsible for design and build data mart as per the requirements.
* Extensively worked on Views. Stored Procedures. Triggers and SQL queries and for loading the data (staging) to enhance and maintain the existing functionality.
* Created Data acquisition and Interface System Design Document.
* Developed and tuned all the Affiliations received from data sources using Oracle and Informatica and tested with high volume of data.
* Designed new database tables to meet business information needs. Designed Mapping document. which is a guideline to ETL Coding.
* analyzing business needs of clients, developing effective and efficient solutions and ensuring client deliverables with in committed timelines.
* Work to ensure high levels of data consistency between diverse source systems including flat files, XML and SQL Database.
* Used MDM tool to support Master Data Management by removing duplicates, standardizing data (Mass Maintaining), and incorporating rules to eliminate incorrect data and filter data as per requirements.
* Created Data ingestion framework in Snowflake for both Batch and Realtime Data from different file formats (XML, JSON, Avro) using Snowflake Stage and Snowflake Data Pipe

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| **Client** | **Amazon- India** |
| **Duration** | **June 2013 – December 2017** |
| **Role** | **Data Analyst** |
| **Tech Stack** | **HTML, CSS, XML, JSON, SQL, Windows, Integration tools, tableau.** |

**Responsibilities:**

* Worked in a team of 15 in designing the wed page as a front developer using the java script, Html, CSS and SQL servers.
* Also worked with the client directly by making the respective changes to the web page as per the requirement.
* Involved in automating retail prepaid system process. Created packages and dependencies of the processes.
* Used Autosys for scheduling various data cleansing scripts and loading processes; maintained the batch processes using UNIX Scripts.
* Perform root cause analysis on smaller self-contained data analysis tasks that are related to assigned data processes.
* Created Tableau scorecards, dashboards using stack bars, bar graphs, scattered plots, geographical maps, Gantt charts using show me functionality.
* Worked on data that was a combination of unstructured and structured data from multiple sources and automated the cleaning using SQL scripts Responsive web design for all device platforms and browsers.
* Migrated mappings, sessions, and workflows from Development to testing and then to Production environments.
* Participated in all phases of data mining, data collection, data cleaning, developing models, validation and visualization.
* Responsible for creating the look and feel of the public website.
* Analyzed relationships of Flat Files and to extract the analyzed systems, met with end users and business units in order to define the requirements.
* Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML and CSS.
* Responsible to tune ETL procedures and STAR Schemas to optimize load and query performance.
* Extensively worked in the performance tuning of the programs. ETL Procedures and processes

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| **Client** | **Alliance Broadcast Vision- INDIA** |
| **Duration** | **June 2012- May 2013** |
| **Role** | **Data Analyst** |
| **Tech Stack** | **HTML, CSS, JavaScript, JSON, SQL Server 2005, Mockups and Windows,Power BI** |

**Responsibilities:**

* Worked with different teams in resolving the coding problems. Mostly worked on HTML, Java Script and CSS.
* Created sessions and batches to move data at specific intervals & on demand using Server Manager and other Responsibilities include creating the sessions and scheduling the sessions.
* Implemented performance tuning techniques by identifying and resolving the bottlenecks in source, target.
* Understanding of Software Development Life Cycle (SDLC).
* Created and simulated stored procedures to access data in the database.
* Designed and implemented multiple dashboards using Power BI - Power Pivot & Power Query tools for in house metrics.
* Created various Use case scenarios for product testing.
* Responsible for the design of client websites right from the conceptualization stage to its implementation and maintenance.
* Used SQL and SAS skills to perform ETL from DB2 and Teradata databases and created SAS datasets, SAS macros, Proc/data steps and SAS formats as required.
* Wrote SQL queries for each Test case and executed in SQL Plus to validate the data between Enterprise Data Warehousing and Data Mart Staging Tables.
* Transfer data objects and queries from MS Excel to SQL Server.
* Handled all aspects of the web application including maintaining, testing, debugging, and deploying.