Swathi Srinivasa Murthy

Expertise

Highly skilled and versatile Data Analyst/Reporting Analyst/Business Intelligence/Developer with in-depth experience in Teradata, AWS, Oracle, Unix, SAS, Tableau, SQL, ETL,VBA ,Python Major focus has been in the banking, insurance, Telecom, Healthcare domain areas.

* Expertise in Data Modeling and Architecture, Database Administration, Data Conversion Validation, Data Warehouse Development, Report Creation, Data Conversion, Applications Testing, Software Quality Assurance, User Acceptance Testing, Training and Support.
* Thoroughly experienced and knowledgeable in Systems Development Life Cycle (SDLC) and Agile (Scrum) Software Development.
* Hands on experience in Banking Deposits, credit cards, home loans, and Healthcare.
* Excellent experience in Data mining with querying and mining large datasets to discover transition patterns and examine financial and Healthcare data.
* Experience in testing the database to check field size validation, check constraints, stored procedures and cross verifying the field size defined within the application with metadata.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, optimized volumes and EC2 instances
* Good at Data Warehouse Techniques, Dimensional Modelling, Star and Snowflake schema
* Experience in Extraction, Transformation and Loading (ETL) processes on Teradata using BASE SAS.
* Extensive experience in Strategic development of a  Data Warehouse and in Performing Data Analysis and Data Mapping from an Operational Data Store to an Enterprise Data Warehouse.
* Hands on Experience in Troubleshooting test scripts, SQL queries, ETL jobs, data warehouse/data mart/data store models
* Experience in developing data applications with Python in Linux/Windows and Teradata environments.
* Experience in monitoring ongoing data quality and troubleshoot complex data quality problems.
* Hands on Experience in Developing and maintaining dashboards/reports using Tableau.
* Experience in developing scripts using Teradata advanced techniques like Row Number and Rank Functions.
* Hands on experience in developing Test Campaign and Canary Campaigns using Unica Affinium Campaign Marketing Tool
* Experience in Automation Teradata SQL scripts in UNIX.
* Performed Tuning the queries and Troubleshooting the errors of the campaign flowchart
* Good exposure to Mainframe Systems and knowledge in handling COBAL files.
* Experienced in conducting GAP analysis to identify the delta between the current performance with the potential performance of the existing software application
* Experience in Commercial Off-the-Shelf software system implementation, evaluating and selecting COTS solution
* Strong experience in using Agile/Scrum methodology and well versed in writing user stories.
* Exceptional ability to research, analyze and convey complex technical information to diverse end-users at all levels. Solutions-driven strategist who consistently improves efficiency, productivity and the bottom line.
* Recognized for partnering with business leaders and technical teams to plan, integrate, document and execute complex project plans on time and on budget.

**Technical Skills**

***Platforms***: UNIX, MS Windows, Windows XP.

***Databases and tools***: Teradata 14,Oracle 10g/8i/9i,MS SQL Server 2008 ,AWS, DB2, MS-Access, ADI, TOAD, SQL\*NAVIGATOR, SQL Assistant 15,AWS, Reports Builder, schema Builder, Procedure Builder

***Software***MsOfficeSuit(Word,Excel,PowerPoint),MS Project,Tableau8.2,Informatica,Hadoop,Python3.5.2,ABINITIO,Unica Affinium Campaign,Oracle Reports, Tableau, MS Excel Reports, MS Access Reports,Business Objects,Brio, Mainframes,JCL,COBOL, PL/SQL, Shell Scripting, VB Script, VBA,Oracle 8i , SAS 8e

**Education**

* VELLORE INSTITUTE OF TECHNOLOGY (VIT UNIVERSITY), Vellore, Tamil Nadu, India
* M.S in Software Engineering

**Certification**

* Cognizant certified professional in Microstrategy
* Cognizant certified professional in CPM

##### PROFESSIONAL EXPERIENCE

**Goldman Sachs, Salt Lake City, Utah Jul 2017 –Till Date**

**Data Analyst/Developer**

**Responsibilities:**

* Worked on numerous ad-hoc data pulls for business analysis and monitoring.
* Designed and developed various monthly and quarterly business monitoring excel reports by writing Teradata SQL and using in MS Excel pivot tables.
* Interacted with Business Users for gathering, analyzing, and documenting business requirements and data specifications.
* Performed in depth analysis on data and prepared ad-hoc reports in MS Excel and SQL scripts.
* Performed verification and validation for accuracy of data in the monthly/quarterly reports.
* Developed Teradata SQL scripts using various characters, numeric and date functions.
* Created multi-set tables and volatile tables using existing tables and collected statistics on table to improve the performance.
* Developed and reviewed SQL queries with use of joins clauses (inner, left, right) in Tableau Desktop to validate static and dynamic data for data validation.
* Developed Teradata SQL scripts using OLAP functions like rank and rank() Over to improve the query performance while pulling the data from large tables
* Utilized ODBC connectivity to connect Teradata from MS Excel to automate the data pull and refresh graphs for weekly and monthly reports.
* Experience in performing Dual Data Validation on various Business critical reports working with another Analyst.
* Developed UNIX shell scripts to run batch jobs and communicate logs to the users.
* Automated Teradata SQL scripts in UNIX by using shell scripting.
* Scheduled Teradata Bteq Scripts in UNIX using CRONTAB.
* Designed stunning visualization dashboards using tableau desktop and publishing dashboards on tableau server and desktop reader.
* Designed and deployed reports with Drill Down, Drill Through and Drop down menu option and Parameterized and Linked reports using Tableau.
* Implement point of view security to Tableau dashboards to facilitate visibility across various levels of the Organization.
* Automated Windows SAS Scripts on UNIX SAS platform
* Used Python programs to automate the process of combining the large SAS datasets and Data files and then converting as Teradata tables for Data Analysis.
* Worked in AWS Environment for loading data files from Legacy UNIX Systems to UNIX system.
* Performed SQL Testing on AWS redshift databases.
* Developed Python programs for manipulating the data reading from various Teradata and convert them as one CSV Files.
* Developed programs with manipulate arrays using libraries like Numpy and Python.
* Automated process of generating the Excel reports reading from Teradata tables, SAS Data Set using Pandas Dataframe, calculation within cell and formatting like adjusting Cell Width, combining the cells etc.
* Developed automated Excel VBA applications tools for non-technical users to pull the data from Teradata database.
* Created Excel VBA macro to automate the manual process of refreshing the monthly reports.

**Technical Skills**: SQL Assistant 15, Teradata 15, Python, Tableau, UNIX Shell Scripts, SAS,VBA,AWS Redshift, MS Excel, MS Power Point,

**BB&T Bank, Salem NC Sep 2015 – Jun 2017**

**Data Information Analyst**

**Responsibilities**:

* Responsible for gathering requirements from business analysts and operational analysts and identifying the data sources required for the reports.
* Wrote Python scripts to parse XML documents and load the data in database.
* Wrote Python Scripts to update the content in the database in the back end.
* Developed programs with manipulate arrays using libraries like Numpy and Python.
* Extensively worked in performance tuning and optimization for increasing the efficiency of the scripts.
* Worked on loading data from flat files to Teradata tables using SAS Proc Import and FastLoad Techniques.
* Wrote SQL scripts for huge data pulls and ad-hoc reports for analysis.
* Worked on analyzing the data for program level monitoring.
* Used AWS command line client and management console to interact with AWS resources and APIs.
* Worked on AWS Elastic Beanstalk to deploy, monitor, and scale an application
* Develop Tableau data visualizations using Cross tabs, Heat maps, Box and Whisker charts, Scatter Plots, Geographic Map, Pie Charts, Bar Charts and Density Chart.
* Develop reports using the Teradata OLAP advanced techniques like rank ,rank() Over and row\_number etc.
* Proficient in importing/exporting large amounts of data from files to Teradata and vice versa.
* Generated graphs using MS Excel Pivot tables and created presentations using Power Point.
* Used OLAP functions like sum, count, csum, etc.
* Filter Actions are used in navigating individual worksheet in dashboard to the full screen in server, URL action is used in passing tableau filters onto the Sankey visualization.
* Utilized Python programs computerized the way toward joining the huge SAS datasets and Data documents and afterward changing over as Teradata tables for Data Analysis.
* Supported the development of SAS Program for Converting Large volume of Text File into Teradata Tables by importing the text file from Mainframes to Desktop.
* Designed and developed mock-up Tableau Dashboards to explore options for visualization of data, presentation, and analysis.
* Extracted data from the Mainframe flat files using SAS and creating SAS Data Sets.
* Created Excel Pivot and VBA macros for various business scenarios
* Provided post production support to the system and effectively maintained all the versions of Source programs, JCLs etc during their subsequent releases.
* Created Set, Multiset, Derived, Volatile, Global Temporary tables.
* Experience in writing korn shell scripts for automating the jobs.
* Automated reports by connecting Teradata from MS Excel using ODBC.
* Worked on scheduling the jobs in UNIX using crontab and sleep functions.
* Good at modifying UNIX existing scripts.
* Worked with Conversion Project team for performing UAT Testing by performing data level validations.
* Documented scripts, specifications, other processes and preparation of Technical Design Documents.

**Technical Skills**: Teradata13, Teradata utilities (SQL Assistant, BTEQ, Fast Load, Fast Export), AWS, Tableau , Informatica, Python, SAS,Agile, Excel Macros

**Cognizant, India May 2011 - Apr 2015**

**BI Developer/SQL Analyst**

**State Street Bank –USA**

**Responsibilities:**

* Worked with business analysts, senior project managers, and programmers to gather business Requirements and specifications.
* Extract upto date accounts data from Teradata database by using SQL, BTEQ.
* Developed the Interfaces in SQL, for data calculations and data manipulations.
* Used MS Excel and Teradata for data pools and adhocs reports for business analysis
* Performed Verification, Validation, and Transformations on the Input data (Text files) before loading into target database.
* Performed in depth analysis in data & prepared weekly, biweekly, monthly reports by using SQL, MS Excel and UNIX.
* Define parameters for data integrity and compliance by performing data cleansing, data audit and/or data validation.
* Developed SAS Program for Converting Large volume of Text File into Teradata Tables by importing the text file from Mainframes to Desktop.
* Designed scripts in SAS to be compatible with Teradata, to load and access data from the Teradata tables.
* Provide input for the data governance requirements and standards.
* Plan and define criteria and make go/no go decisions from a quality perspective.
* Define test data needs in partnership with IT and provide technical support on data warehouse teams.
* Monitor ongoing data quality and troubleshoot complex data quality problems.
* Designed & developed various Ad hoc reports for the finance.
* Developed and maintained ETL Mapping to extract the data from multiple data sources like oracle ,SQL server and text files to load user data base.
* Analyzing the sources, transforming the data mapping the columns and loading the data into targets using informatica power center designer.
* Assisted in preparation and prepared documents and technical specifications using Microsoft Word and Visio.
* Responsible for understanding business analysis concepts for logical data modeling, data flow processing and data base design.

**OPTUM – EIM COE USA**

* Prepared project plan by gathering/analyzing client input, updated business users regarding
* project status, analyzed requirements and designed project workflow
* Involved in regular scrum meetings
* Developed Dashboards using bubble chart, interactive bubble chart, heat map, gauge,

microcharts and simple graphs using MicroStrategy 9.2.1.

* Interlink all the 10 dashboards.
* Enhance and fine tune the existing dashboards/reports.
* Performance tuning of reports that were executing for long time.
* Re-designing of the old reports to new format as per the business standards.
* Enhancing, updating and maintaining the Views, Triggers, Cursors and Indexes.
* Created MSTR architect component: tables, attributes, facts from scratch.
* Created Intelligent Cubes and reports out of them.
* Created Drill Maps to drill up, down and across unrelated hierarchies in reports.
* Conducted unit testing for the developed reports.

**Wyndham – EIM COE USA**

* Enhancing Dashboard, Reports on the business requirements as a part of application enhancement in Hyperion Interactive Reporting 9.3
* Enhancing, updating and maintaining the Views, Triggers, Cursors and Indexes.
* Responsible in Coordinating with Counterparts for Project Transition, setting up core team responsibilities.
* Developed test scripts for Unit Testing .
* Scheduling jobs in Development Portal and coordinating with Production team for scheduling job deployment in Production Portal.
* Enhancements of existing reports and dashboards in the application.
* Responsible for running job process and report generation cycle.
* Responsible for training other members of team on Hyperion and Brio