**Data Analyst**

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**SUMMARY**:

* Experienced Data Analyst with 9+ years of experience in the analysis, design and development of Data warehouse and **Business Intelligence** applications, testing process, requirements gathering and expectation management.
* Proficient at translating strategic IT user requirements into specific database capabilities.
* Strong experience in Business and Data Analysis, Data Profiling, Data Migration, Data Conversion, Data Quality, Data Integration and Metadata Management Services and Configuration Management.
* Ability to document the procedures, and ability to write specifications for data models to be developed.
* **Highly analytical and process - oriented data analyst**with in-depth knowledge of database types; research methodologies; manipulation and visualization of data.
* Excellent SQL & PL/SQL skills with both DML, DDL commands and demonstrated ability to write complex queries for the purpose of analyzing data and/or evaluating how information needs might be translated into back end database.
* Experience in Creating Views, Stores Procedures, DDL/DML Triggers and User-Defined Functions to implement Business Logic and Data Protection.
* Experience in treating and executing Data pipelines in GCP and AWS platforms
* Experience working with various relational database management systems such as MS SQL Server, Oracle, Teradata, DB2, MS Access.
* Experience in creating KPI dashboards on Excel, tableau as well as Cognos reports.
* Experience in creating reports and visualizations in ThoughtSpot, a BI tool hosted on cloud.
* Experience in Migrating SQL database to Azure Data Lake, Azure Data Lake Analytics, Azure SQL Database, Data bricks, and Azure SQL Data Warehouse and controlling and granting database access and Migrating On-premises databases to Azure Data Lake store using Azure Data Factory.
* Have performed several roles and have been part of full SDLC of several Development Projects.
* Quickly learn and effectively utilize third party or proprietary tools to reduce the product delivery time.
* Strong experience in interacting with stakeholders/customers, gathering requirements through interviews, existing system documentation or procedures, defining business processes using appropriate templates and analysis tools.
* Expert in Data Integrity constraints, Performance Tuning, Query Optimization and Validation issues.
* Have Extensive Experience in IT data analytics projects, Hands on experience in migrating on premise ETLs to Google Cloud Platform (GCP) using cloud native tools.
* Good understanding of SQL Server and Oracle Architecture in terms of ETL and query processing, structure and performance and table partitions.
* Involved in testing complex COGNOS, Micro strategy and Tableau reports, supporting the Testing Team, writing Test cases and creating Test Data.
* Experience in writing requirements for ETL Data warehousing, database profiling.
* Strong knowledge in Data Warehousing concepts, Teradata utilities (BTEQ, FASTLOAD, FASTEXPORT, MULTILOAD, SQL Assistant), Data Modeling and Oracle E-Business Suite 11.5(Oracle Applications).
* Efficient in VBA for MS Excel for planning/status reporting and creating test data.
* Solid understanding of master data management (MDM).

**SKILLS**

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| **Operating Systems:** | Microsoft Windows 2000/NT/7/XP, UNIX and LINUX |
| **Databases:** | ORACLE, MS SQL Server, DB2, Teradata. |
| **ETL & reporting Tools:** | ETL Informatica, Data Stage, Crystal Reports, Microsoft SSRS, GCP, Business Objects, Cognos. |
| **Languages:** | SQL, PL/SQL, T-SQL, VBScript, MS SQL. |
| **Tools & technologies:** | MDM, XML/HTML/, QMF, MS Office (Word, Access, Excel, PowerPoint, Project, Visio), Macros using VBA, Erwin, Visio, Share point, Databricks, SQL Developer, cloud composer, GIT, Team City. |
| **Quality Management:** | Jira, HP QC/ALM. |
| **Visualization Tools:** | Power BI, Thoughtspot and Tableau |

**Client: 3M, St Paul, Minnesota                                                               Apr 2022 to Current**

**Role: Data Analyst/Data Visualization Analyst**

**Responsibilities:**

* Involved in designing/developing Logical Data Analyst & Physical Data Analyst using Erwin DM.
* Extract and transform in Excel Sheet by Power Query for data visualization.
* Worked with DB2 Enterprise, Oracle Enterprise, Teradata13, Mainframe sources, Netezza Flat files, and datasets operational sources.
* Worked with various process improvements, normalization, de-normalization, data extraction, data cleansing, and data manipulation.
* Extensive experience with creating dashboards and visualizations using tools like Power BI, Tableau, RStudio, PowerPivot, ThoughtSpot (SpotIQ search, Pinboards, etc.)
* Designed and developed efficiently Training reports, Project Competency, Learners guidance reports, Team Roster Reports and Owner Organization’s business intelligence solutions by leveraging ThoughSpot in partnership with product owners, application developers, data scientists, and business stakeholders
* Performed data management projects and fulfilling ad-hoc requests according to user specifications by utilizing data management software programs and tools like TOAD, MS Access, Excel, XLS and SQL Server.
* Developed and orchestrated complex workflows and data pipelines using Composer.
* Worked with requirements management, workflow analysis, source data analysis, data mapping, Metadata management, data quality, testing strategy and maintenance of the model.
* Used DVO to validate the data moving from Source to Target.
* Creating the requests in answers and see the results in various views like title view, table view, compound layout, chart, pivot table, ticker and static view.
* Designed and implemented data pipelines on GCP, utilizing services like BigQuery, Dataflow, and Pub/Sub for real-time data processing.
* Assisted in production OLAP cubes, wrote queries to produce reports using SQL Server Analysis Services (SSAS) and Reporting service (SSRS) Editing, upgrading and maintaining [ASP.NET](http://asp.net/) website and IIS Server.
* Used SQL Profiler for troubleshooting, monitoring, and optimization of SQL Server and non-production database code as well as T-SQL code from developers and QA.
* Involved in data from various sources like Oracle Database, XML, Flat Files, CSV files and loaded to target warehouse.
* Created complex mappings in Informatica Power Center Designer using Aggregate, Expression, Filter, Sequence designed the ER diagrams, logical model (relationship, cardinality, attributes, and candidate keys) and physical database (capacity planning, object creation and aggregation strategies) for Oracle and Teradata as per business requirements using Erwin.
* Designed Power View and Power Pivot reports and designed and developed the Reports using SSRS.
* Designed and created MDX queries to retrieve data from cubes using SSIS.
* Developed reports using Excel and ThoughtSpot analyzing new client data and the supply chain logistics relating to new business lines.
* Created SSIS Packages using SSIS Designer for exporting heterogeneous data from OLE DB Source, Excel Spreadsheets to SQL Server.
* Extensively worked in SQL, PL/SQL, SQL Plus, and SQL Loader, Query performance tuning, DDL scripts, database objects like Tables, Views Indexes, Synonyms and Sequences.
* Developed and supported the extraction, transformation, and load process (ETL) for a Data.

**Environment:** ERWIN9.1, Netezza, Oracle8.x, SQL, PL/SQL, SQL Plus, SQL Loader, Informatica, CSV, Taradata13, T-SQL, SQL Server, SharePoint, Pivot tables, Databricks, Power view, DB2,GCP, SSIS, DVO, LINUX, MDM, PL/SQL, ETL, Excel, Pivot tables, cloud composer SAS, SSAS, SPSS, SSRS.

**Client: Intermountain Healthcare, Salt Lake City, UT                        Mar 2020 to Feb 2022**

**Role: Data Analyst**

**Responsibilities:**

* Collaborated with Business Analysts, SMEs across departments to gather business requirements, and identify workable items for further development.
* Partnered with ETL developers to ensure that data is well cleaned, and the data warehouse is up to date for reporting purpose by Pig.
* Selected and generated data into csv files and stored them into AWS S3 by using AWS EC2 and then structured and stored in AWS Redshift.
* Deploy services on AWS and utilized step function to trigger the data pipelines.
* Collecting and aggregating large amounts of log data using Apache Flume and staging data in HDFS for further analysis.
* Created plugins to extract data from multiple sources like Apache Kafka, Database and Messaging Queues.
* Ran Log aggregations, website Activity tracking and commit log for distributed system using Apache Kafka.
* Developing parser and loader MapReduce application to retrieve data from HDFS and store to HBase and Hive.
* Experienced in setting up Multi-hop, Fan-in, and Fan-out workflow in Flume.
* Imported several transactional logs from web servers with Flume to ingest the data into HDFS.
* Implemented Custom Sterilizer, interceptors to Mask, created confidential data and filter unwanted records from the event payload in Flume.
* Configured, designed, implemented, and monitored Kafka cluster and connectors.
* Responsible for ingesting large volumes of IOT data to Kafka.
* Wrote Kafka producers to stream the data from external rest APIs to Kafka topics
* Worked with teams to use KSQL for real-time analytics.
* Worked with multiplexing, replicating and consolidation in Flume.
* Used OOZIE operational Services for batch processing and scheduling workflows dynamically.

**Environment:** Spark (PySpark, SparkSQL, Spark Streaming, SparkMLIib), Kafka, Python 3.x (Scikit-learn, Numpy, Pandas), Tableau 10.1, GitHub, AWS EMR/EC2/S3/Redshift/Glue, and Pig.

**Client: Amazon, Hyderabad, India                          Mar 2016 to Dec 2018**

**Role: Data Analyst**

**Responsibilities:**

* Involved in analysis, design and documenting business requirements and data specifications. Supported data warehousing extraction programs, end-user reports and queries.
* Interacted with Business analysts to understand data requirements to ensure high quality data is provided to the customers.
* Worked on numerous ad-hoc data pulls for business analysis and monitoring by writing SQL scripts.
* Created monthly and quarterly business monitoring reports by writing Teradata SQL queries includes System Calendars, Inner Joins and Outer Joins to retrieve data from multiple tables.
* Developed BTEQ scripts in UNIX using Putty and used cron-tab to automate the batch scripts and execute scheduled jobs in UNIX.
* Performed verification and validation for accuracy of data in the monthly/quarterly reports.
* Created reports, charts by querying data using Hive Query Language and reported the gaps in lake data loaded.
* Good knowledge on Json format data and performed the source, target validations using aggregations and null validity functions.
* Created multi-set tables and volatile tables using existing tables and collected statistics on tables to improve the performance.
* Developed Teradata SQL scripts using RANK functions to improve the query performance while pulling the data from large tables.
* Experience in performing Dual Data Validation on various Businesses critical reports working with another Analyst.
* Designed stunning visualizations using Amazon Quick Sight, published and presented dashboards on web and desktop platforms.
* Designed and deployed reports with Drill Down, Drill Through and Drop down menu option and Parameterized and Linked reports using Tableau.
* Implemented point of view security to Amazon Quick sight dashboards to facilitate visibility across various levels of the Organization
* Developed Python programs for manipulating the data reading from various Teradata and converted them into CSV Files, updated the Content in the database tables.

**Environment:** Amazon Quick sight (AWS), MS SQL Server 2012, MySQL Database, SQL Server Integration Services (SSIS), MS Office

**Client: Genpact, Hyderabad, India Jun 2013 to Jan 2016**

**Role: Jr. Data Analyst**

**Responsibilities:**

* Responsible for gathering requirements from business analysts and operational analysts, Identified the data sources required for the reports needed to the customers.
* Used Python programs automated the process of combining the large datasets and Data files and then converting as Teradata tables for Data Analysis.
* Created an Automated Python Programs to Archive the database tables which are large in size and not in use into Mainframes folders.
* Developed programs with manipulate arrays using libraries like NumPy and Python.
* Did performance tuning and optimization for increasing the efficiency of the scripts by creating indexes, adding constrains and query optimization.
* Writing SQL scripts for huge data pulls and ad-hoc reports for analysis. Used the Teradata advanced techniques like rank, row number etc.
* Generated graphs using MS Excel Pivot tables and created presentations using Power Point.
* Generated reports using Proc Tab, Proc Report, Data Null, Proc SQL and Macros. Used OLAP functions like sum, count, csum, etc.
* Communicated with business users and analysts on business requirements. Gathered and documented technical and business Meta data about the data.
* Created numerous processes and flow charts to meet the business needs and interacted with business users to understand their data needs.
* Created Set, Multiset, Derived, Volatile, Global Temporary tables to retrieve the data from multiple tables.
* Experience in writing Korn shell scripts for automating the jobs. Automated reports by connecting Teradata from MS Excel using ODBC.
* Documented scripts, specifications, other processes and preparation of Technical Design Documents.

**Environment**: Jira Atlassian, Share Point, MS Excel, Agile, MS Word, MS Access, HP Quality Center, Python, UML, ETL, MS Office suite, MS Visio, Oracle SQL Developer.