**Kavya**

**Sr. Data Analyst**

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**professional summary:**

* Over 8 years of IT experience with **Business** and **Data Analysis, ETL Development, Data Modeling, Data Profiling, Data Migration, Data Integration and Metadata Management Services**.
* More than 6 years of Data Warehousing experience using **Informatica Power center 9.x,8.x,7.x,6.x,5.x, Power Connect, Power Exchange, Warehouse Designer, Power Analyzer, ETL, Data Mart, OLAP, OLTP, Star Schema, Snowflake Schema.**
* Worked on various domains like **Banking, Finance, Insurance** and **Health Care, Manufacturing.**
* Strong experience on gathering business requirements from business/user, source to **target mapping,** creating source to target mapping document**,** creating process flows**, and DFD.**
* Excellent understanding of Data Warehousing Concepts - **Star and Snowflake schema**, **SCD Type1/Type2,** **Normalization/De-Normalization,** **Dimension & Fact tables.**
* Proficient experience as a Data Analyst in gathering data from various sources**, data profiling, data definition, and loaded the data to business warehouse.**
* Experience in conducting **Joint Application Development (JAD)** sessions for requirements gathering, analysis, design and **Rapid Application Development (RAD)** sessions to converge early toward a design acceptable to the customer and feasible for the developers and to limit a project’s exposure to the forces of change.
* Strong experience in **Data Analysis**, **Data Migration, Data Cleansing, Transformation, Integration, Data Import, and Data Export** using multiple **ETL** tools such as **Informatica** **Power Center** and **Data Stage.**
* Develop project management plans, identify key milestones, track metrics and managed stakeholders throughout the lifecycle of multiple projects to ensure adherence to project schedules & budgets
* Worked with heterogeneous relational databases such as **Teradata,** **Oracle**, **MS Access** and **SQL Server.**
* Experience in Other Utilities/Tools/Scripts like **Korn Shell Scripting, SQL Plus, SQL Loader, Export and Import utilities, TOAD 9.1 and Visio 10.0.**
* **Experience in using IDQ Tool for Profiling, applying Business rules and developed mappings to move data from source to Target systems**
* **Experienced in using IDQ tool for applying rules and develop mappings to move data from source to target systems**
* **Applied the rules and profiled the source and target table's data using IDQ**
* Technical expertise in **ETL** methodologies, **Informatica 6.x/7.x/8.x/9.x - Power Center, Power Mart, Client tools – Mapping Designer, Workflow Manager/Monitor and Server tools – Informatica Server Manager, Repository Server Manager, and Power Exchange.**
* Experience with Relational Databases like **Oracle 10g/9i/8i**, **DB2 ESE, MS SQL Server 2005/2010, DTS, Sybase, Teradata V2R5, MS Access** and **formats like flat-files, CSV files, COBOL files and XML files**
* **Design project plans and teams to deliver on-time, on-budget and on-scope results within risk tolerances without undue project management overhead.**
* Expertise in broad range of technologies, including business process tools such as **Microsoft Project, MS Excel, MS Access, MS Visio,** technical assessment tools, **MicroStrategy, Data Warehouse, Data Modeling** and **Design**
* Worked on Big Data Ingestion, Reporting using Spark, Scala, Java, Pig, Hive, Sqoop, Oozie, Python, Kafka and UNIX.
* Experience in complete **Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC)** and **Bug Life Cycle (BLC).**
* **Created standards for collection and management of metadata.**
* Perform **Grant, Revoke** table access to Database Analysts, Business Analyst, Operational Analysts and Project Manager.
* Experience in **testing** and **writing SQL** and **PL/SQL** statements - **Stored Procedures, Functions, Triggers and packages.**
* Excellent experience in **Data mining** with **querying and mining large datasets** to discover transition patterns and examine **financial data**.
* Created various dashboards using Tableau, Excel, and Access with a focus on user interface and simple data consumption
* Experience in **Business Intelligence tools** like **Business Objects, Cognos and OBIEE**
* Involved in creating Dashboards, reports as needed using **Tableau Desktop and Tableau Server.**
* Handling all the domain and technical interaction with application users, analyzing client business processes, **documenting business requirements.**
* Well versed with **Data Migration, Data Conversions, Data Extraction/ Transformation/Loading (ETL)** using **DTS, PL\SQL Scripts**
* Expertise in source to target mapping in Enterprise and Corporate Data Warehouse environments.
* Implemented **Slowly Changing Dimensions Type 1, Type 2, and Type 3** methodology for accessing the full history of accounts and transaction information.
* Experienced to work as a Data Analyst to perform **complex Data Profiling, Data definition, Data Mining, validating** and analyzing data and presenting reports.
* Ability to handle and interact with **Business users, collect and analyze business / functional requirements.**
* Excellent communication, documentation and presentation skills with clear understanding of business process flow.

**technical skills:**

|  |  |
| --- | --- |
| * Databases | * Oracle 11g/10g/9i/8i, SQL Server 2005/2008, * IBM DB2, Teradata, MS Access |
| * Data Warehousing | * ETL Informatica Power Center 9.x/8.x/7.x (Transformation Developer, Mapplet Designer, Mapping Designer, Repository Manager, Workflow Manager, Workflow Monitor and Informatica Server) Data Mart, FACT and Dimensions tables, Physical & logical data Modeling. |
| * Data Modeling Tools | * ERWIN, ER Studio, MS Visio 2003, Power Designer |
| * Database Tools | * SQL\*PLUS, SQL\*Loader, Teradata 5.0, SQL Developer, TOAD 9.5 |
| * Reporting Tools | * OBIEE, Crystal Reports 8.0/9.0/10, Business Object 6.5/XI, Cognos |
| * Languages | * C, C++, Pro\*C, COBOL, SQL, PL/SQL, T-SQL, UNIX Shell Scripting, PERL, Python |
| * Environment | * Linux, HP-UX, Windows2000/NT, Windows XP/Vista/7 |

**PROFESSIONAL EXPERIENCE:**

**Client –Thermofisher Scientific, Carlsbad CA Aug’17 – Present**

**Role: Data Analyst**

Caterpillar is the world's leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. This project is to support the portal application which enable the business users to make the right decision

**Responsibilities:**

* Worked with business requirements analysts/subject matter experts to identify and understand requirements. Conducted user interviews and data analysis review meetings.
* Defined key facts and dimensions necessary to support the business requirements along with Data Modeler.
* Created draft data models for understanding and to help Data Modeler.
* Resolved the data related issues such as: assessing data quality, data consolidation, evaluating existing data sources.
* Manipulating, cleansing & processing data using Excel, Access and SQL.
* Performed Data Validations using SQL developer.
* Responsible for loading, extracting and validation of client data.
* Project Management, Requirements Analysis Software development lifecycle, full lifecycle documentation, database.
* Worked closely with Data Architect to review all the conceptual, logical and physical database design models with respect to functions, definition, maintenance review and support Data analysis, Data Quality and ETL design that feeds the logical data models.
* Involved in building the best practices related to all the Infosphere tools like Metadata Workbench, Business Glossary, Information Analyzer, FastTrack, Asset Manager, Quality Stage, DataStage etc.
* Perform the unit testing and implemented the best practices in DataStage.
* Working with clients to understand their data migration needs and determine any data gaps.
* Design project plans and teams to deliver on-time, on-budget and on-scope results within risk tolerances without undue project management overhead.
* Developed several IDQ complex mappings in Informatica a variety of Power Center
* Analyzed the source data coming from various data sources like Mainframe & Oracle.
* Created data mapping documents mapping Logical Data Elements to Physical Data Elements and Source Data Elements to Destination Data Elements.
* Excellent understanding/knowledge of Hadoop Distributed system architecture and design principles.
* Worked on Big Data Ingestion, Reporting using Spark, Scala, Java, Pig, Hive, Sqoop, Oozie, Python, Kafka and UNIX.
* Created and analyzed all the phases of the project management processes.
* Audit files and metadata entries for completion and proper organization.
* Created metadata reports using MS Excel.
* Applied the rules and profiled source and target data by using IDQ.
* Created new processes to shorten time of migrations from 4 weeks to 2 weeks and increase reusability of ETL templates
* Well versed with Data Migration, Data Conversions, Data Extraction/ Transformation/Loading (ETL) using DTS, PL\SQL Scripts
* Managed, updated and manipulated report orientation and structures with the use of advanced Excel functions including Pivot Tables and V-Lookups.
* Worked with various IDQ transformations like Standardizer, Match, Association, Parser, Weighted Average, Comparison, Consolidation, Decision, Expression
* Tested the data using the Logs generated after loading the data in to Data warehouse.
* Prepared Traceability Matrix with requirements versus test cases.
* Worked on Master Data Management (MDM) for maintaining the customer information and also for the ETL rules to be applied.
* Involved working on different set of layers of Business Intelligence Infrastructure.
* Worked extensively in Data consolidation and harmonization.
* Worked extensively on the T-SQL environment to run out the queries and explore the Databases.
* Worked with OLAP tools such as ETL, Data warehousing and Modeling.
* Used Informatica / SSIS to extract, transform & load data from SQL Server to Oracle databases.
* Meeting with user groups to analyze requirements and proposed changes in design and specifications.
* Performed Detailed Data Analysis (DDA), Data Quality Analysis (DQA) and Data Profiling on source data.

**Environment:** Informatica 9.x, Oracle 11g, SQL Server 2008, SSIS 2008, SPSS, PL/SQL, Erwin, TOAD, MS, Excel, MS Access, Visio, Python, Linux

**Client –Wells Fargo, SFO, CA Jan ’16 – Aug’17**

**Role: Sr. Data Analyst**

Wells Fargo & Company is an American international banking and financial services holding company headquartered in San Francisco, California. It is the world's second largest bank by market capitalization and the third largest bank in the U.S. by assets.

**Responsibilities:**

* Participated in user meetings, gathered **Business requirements** & specifications for the **Data-warehouse design.** Translated the user inputs into **ETL design docs.**
* Defined, and documented the technical architecture of the **Data Warehouse,** including the **physical components** and their functionality.
* Created **Star schema dimension modelling** for the data mart using **Visio** and created dimension and fact tables based on the business requirement.
* Analyze and gather user requirements and create necessary documentation of their data migration
* Designed **ETL architecture** to process large number of files and created **High-level design, low-level design** documents.
* Develop project management plans, identify key milestones, track metrics and managed stakeholders throughout the lifecycle of multiple projects to ensure adherence to project schedules & budgets
* Used analytic skills to detect debit and credit card fraud in real time.
* Responsible for implementing the **Informatica/Teradata CDC** logic to Process the delta data.
* Design reference data and data quality rules using IDQ and involved in cleaning the data using IDQ in Informatica Data Quality 9.1 environment.
* Mentoring the Business team on IBM Infosphere Business Glossary.
* Implemented the complete life cycle of Information Analyzer.
* Verifying information with customers and directing them to their next steps.
* Extensively worked on flat files, mainframe files and involved in creation of **UNIX shell scripts** using different **shell scripts for FTP,** generating list files for loading multiple files and in archiving the files after the completion of loads.
* Work alongside clients to develop strategies for migration of their business data across platforms utilizing Microsoft SQL Server
* Strong Experience in Hadoop file system and Hive commands for data mappings.
* Worked with **OLAP tools** such as **ETL, Data warehousing** and **Modeling.**
* Created new strategies for preventing fraud.
* Used **Informatica to** extract, transform & load datafrom **SQL Server** to **Oracle databases.**
* Involved in the creation of **Informatica mappings** to extracting data from **oracle, Flat Files** to load in to **Stage area**.
* Strong expertise in using **ETL Tool Informatica Power Center** 8.x/9.6.1 (Designer, Workflow Manager, Repository Manager), Informatica Cloud, Informatica MDM 10.1, Informatica Data Quality (IDQ) 9.6.1 and ETL concepts.
* Worked **data mapping, data cleansing,** program development for loads, and **data verification** of converted data to legacy data.
* **Assisted with documentation creation for a new fraud system to be implemented.**
* Worked on **Master Data Management (MDM)** for maintaining the customer information and also for the **ETL** rules to be applied
* Skilled at implementing project management processes
* Created MS Excel reports for metadata extracts using MS Excel pivot tables.
* Developed SQL Server views for generating metadata reports.
* Building, publishing customized interactive reports and dashboards, report scheduling using **Tableau** server.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in **Tableau.**
* Created **Fast Export, MultiLoad, Fast Load** UNIX script files for **batch Processing**.
* Designed and Created **data cleansing, data conversion, validation** and External loading scripts like **MLOAD** and **FLOAD** for **Teradata** warehouse using **Informatica ETL** tool.
* Involved in **error handling, performance tuning** of mappings,testing of **Stored Procedures** and **Functions, Testing** of **Informatica Sessions,** and the Target Data.
* **Transformed the existing ETL logic to Hadoop mappings.**
* Experienced in loading data into **Data Warehouse/Data Marts** using **Informatica, Teradata Multiload, Fast load** and **BTEQ utilities.**
* Extensively worked on **indexes** in Teradata and Creation of proper **Primary Index (PI)** taking into consideration of both planned access of data and even distribution of data across all the available **AMPS**.
* Worked with **DBA** in making enhancements to physical **DB schema**. Also, coordinated with **DBA** in creating and managing **table, indexes, table spaces, triggers, DB links** and **privileges.**
* Possess expertise with relational databaseconcepts**, stored procedures, functions, triggers and scalability analysis**. Optimized the **SQL** and **PL/SQL** **queries** by using different tuning techniques like using **hints, parallel processing** and **optimization rules.**
* Responsible for **SQL tuning** and **optimization** using **Analyze, Explain Plan** and **optimizer hints.**
* Extensively worked on maintaining the up to date statistics of the tables by using **explain plans**. Extensively worked in **Skew Factor**, resource usage of the queries using **query log data.**
* Supported application development timelines by implementing designs as well as **incremental changes** to **database definition** in a timely manner into production and non-production **Teradata systems.**
* Maintain and **Tune Teradata Production** and **Development systems.**
* Involved in migration of the mapping from IDQ to Power center
* **Perform tuning** and **optimization** of database configurationand application SQL**.**
* Loading data by using the **Teradata loader connection, writing Teradata utilities** scripts (Fast load, Multiload) and working with loader logs. Scheduled workflows, BTEQ Scripts, UNIX shell scripts using **WLM Scheduling tool.**
* **Supported Business Readiness team on planning and deployment of Collibra tasks.**
* Performed **Detailed Data Analysis (DDA), Data Quality Analysis (DQA)** and **Data Profiling** on source data.
* Responsible for migrations of the code from **Development environment to QA** and **QA to Production.**
* Documentedthe existing **mappings** as per the design standards followed in the project.
* Prepared the **validation scripts** to compare the new data with legacy systems.
* Carry out **Defect Analysis** and **fixing of bugs** raised by the Users
* Highly motivated with the ability to work effectively in teams as well as independently
* **Environment: Informatica Power Center 9.x, Oracle 11g, SQL Server 2008, SPSS, PL/SQL, Teradata, UNIX Shell Scripting, Visual Studio, Erwin, Business Objects, Tableau, MS Excel, MS Access, Windows XP.**

**Client – State Farm, Bloomington, IL Oct ’14– Dec ’15**

**Role: Sr. Data Analyst**

Mayo Clinic is a nonprofit medical practice and medical research group based in Rochester, Minnesota. It employs more than 4,500 physicians and scientists and 57,100 allied health staff. It is widely regarded as one of the United States' greatest hospitals and ranked No. 1 in the country on the 2016–2017 U.S. News & World Report List of "Best Hospitals" of the United States.

**Responsibilities:**

* Processed large Excel source data feeds for Global Function Allocations and loaded the **CSV files** into **Oracle Database** with **SQL Loader utility.**
* Performed **code Inspection** and moved the code into **Production Release**.
* Documented all the Relative activities in Quality Centre and coordinated with **QA team**.
* Performed **Data filtering,** Dissemination activities, trouble shooting of database activities, diagnosed the bugs and logged them in **version control tool.**
* Analyzed adversary activity using SIGINT metadata.
* Project Management, Requirements Analysis Software development lifecycle, full lifecycle documentation, database
* Performed **source data analysis** and captured **metadata,** reviewed results with business. Corrected data anomalies as per business recommendation.
* Involved in migration of the mapping from **IDQ to Power center**
* Extensive hands on experience in Hadoop file system commands for file handling operations.
* Multiple work stream project management
* Created the text file DSN in odbc.ini file to establish connection in Information Analyzer.
* Created the QETXT.ini file to define metadata in Information Analyzer.
* Worked in converting Hive/SQL queries into Spark transformations using Spark RDDs, Python and Scala.
* Created adhoc reports to users in **Tableau** by connecting various data sources.
* Created source to target mappings for multiple source from SQL server to oracle.
* Used excel sheet, flat files, CSV files to generated **Tableau** adhoc reports.
* Performed the **batch processing** of data, designed the **SQL scripts, control files, batch file** for data loading.
* Performed the **Data Accuracy, Data Analysis, Data Quality** checks before and after loading the data.
* Coordinated with the **Business Analyst** Team for requirement gathering and Allocation Process Methodology, designed the filtersfor processing the Data.
* Designed, developed, implemented and maintained Informatica Power Center and Informatica Data Quality (IDQ) application for matching and merging process.
* Designed and developed the **Database objects** (Tables, Materialized Views, Stored procedures, Indexes), **SQL statements** for executing the Allocation Methodologyand creating the **OP table, CSV, Text files** for **business.**
* Maintained a metadata repository which included administration of Data Stewards, and ETL data.
* Performed the **physical database design**, **normalized** the tables, worked with **Denormalized** tables to load the data into fact tables of Data warehouse.
* Designed and developed **Dimensional Model** and **ETL process using informatica.**
* Developed **SQL Joins**, **SQL queries**, **tuned SQL**, views, test tables, scripts in development environment.
* Used **SQL\*Loader** to load data from external system and developed **PL/SQL** programs to dump the data from **staging tables** into base tables.
* Developed data migration and data validation scripts from old to the new system
* Extensively wrote **SQL Queries** (Sub queries, correlated sub queries and Join conditions) for **Data Accuracy, Data Analysis** and **Data Extraction** needs.
* Created mapping documents using the Metadata extracted from the Metadata repositories.
* Resolved the data type inconsistencies between the source systems and the target system using the Mapping Documents.
* Designed **star schema** with **dimensional modeling,** created **fact tables** and **dimensional tables.**
* Involved in **data analysis, data discrepancy reduction** in the source and target schemas.
* Designed and developed the **star schema Data model,** Fact Tables to load the Data into Data Warehouse.
* Implemented one-many, many-many Entity relationships in the data modeling of **Data warehouse.**
* Analyzed the tables once the imports were done.
* Edited the Database **SQL files with Vi Editor,** used **Unix Commands** likeJob scheduling, Executing files, Process, Background, Grep etc.
* Performed the column analysis using Information Analyzer jobs.
* Written **PERL Scripts** to extract the data from **Oracle Database**, checking the database connections, regular expressions etc.
* Developed the **VBA Integration** with Excel feeds and **SQL database, SQL Extraction, Transformations of Excel Data into SQL database.**
* Involved in writing **Oracle PL/SQL procedures, functions, Korn Shell scripts** that were used for staging, transformation and loading of the data into base tables.
* Involved in **debugging** and **trouble-shooting** of **database objects**.
* Involved in Data loading and data migration – Used **SQL \* Loader** to load data from excel file into staging table, **Data Cubes** and developed **PL/SQL procedures** to load data from staging table into **base tables** of **Data warehouse.**
* Worked with Informatica Data Quality (IDQ) toolkit, Analysis, data cleansing, data matching, data conversion, address standardization, exception handling, and reporting and monitoring capabilities of IDQ.
* **TOAD, SQL Developer tools** were used to develop programs for executing the queries.
* Worked with **SQL Query performance** issues. Used **index logic** to obtain the good performance.
* Created the **XML control files** to upload the data into Data warehousing system.

**Environment: Oracle 11g, Tableau, Data Warehouse, OLAP, SQL Navigator, SPSS, Visual Studio 2010, SQL Developer, Erwin 4.0, XML, OLTP, MS-Excel 2000, MS-office 2000, Microsoft XP Professional.**

**Client – Ericsson Broadcast and Media, Piscataway, NJ Nov’ 13 – Sept ’14**

**Role: Data Analyst**

Created a data warehouse to align the HR strategy to the overall business strategy. It can present an integrated view of the workforce and help in designing the retention scheme, improve productivity and curtail costs. This included extraction of data from different platforms, metadata management, and integration of mapping and loading to target tables.

**Responsibilities:**

* The business design work involved in establishing the **reporting layouts** for various reports and the frequency of report generation.
* Identifying the information needs within and across functional areas of the organization**.**
* Modelingthe process in the **enterprise wide scenario**.
* Field mapping work involved establishing relationships between the databases **Tables, filter criteria, formulas** etc., needed for the reports.
* Managed database **optimization** and **table-space fragmentation**.
* Involved in full **Software Development Lifecycle (SDLC)**
* Responsible for developing, implementing, and testing data migration strategy for overall project in database using SQL 2012 as platform with global resources.
* Developed database objects including **tables, Indexes, views, sequences, packages, triggers and procedures** to troubleshoot any database problems
* Worked on **Informatica Power Center 8.6** tool - **Source Analyzer, Data Warehousing designer, Mapping & Mapplet Designer** and **Transformation Designer**.
* Developed **Informatica mappings** and tuning of mappings for better performance.
* Extracted data from different **flat files, MS Excel, MS Access** and transformed the data based on user requirement using **Informatica Power Center** and loaded data into target, by scheduling the sessions.
* Created different source definitions to extract data from **flat files** and **relational tables** for **Data mart.**
* Used the **dynamic SQL** to perform some pre-and post-session task required while performing Extraction, transformation and loading.
* **Tuned** the performanceof queries by working intensively over **indexes.**
* Created reusable **mapplets** and **Transformations** starting concurrent batch process in server and did **backup, recovery** and **tuning** of sessions**.**
* Created, modified, deployed, optimized, and maintained **Business Objects Universes** using **Designer**.
* Designing the **ETL process** using **Informatica** to populate the **Data Mart** using the **flat files** to **Oracle database**
* Created **complex mappings** to populate the data in the target with the required information.
* Created **work flows** and **sessions** to perform the required transformation.
* Perform **ETL Testing** by validating data.
* Created **SSIS Packages** to extract data from Excel Files, MS Access files using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Term extraction, Aggregate, Execute SQL Task, **Data Flow Task**, Execute Package Task etc., to generate underlying data for the reports and to export cleaned data from Excel Spreadsheets, Text file, MS Access and **CSV files** to data warehouse
* Writing **UNIX shell scripts** to **automate** the processes.
* Written **SQL Scripts** and **PL/SQL Scripts** to extract data from Database and for Testing Purposes.
* **Performed testing and QA role:** Developed Test Plan, Test Scenarios and wrote SQL plus Test Scripts for execution on converted data to ensure correct **ETL data transformations** and controls.
* Done **automation** of file provisioning process using **UNIX, Informatica mappings** and **Oracle utilities.**

**Environment:**

Informatica Power Center 8.6.1, Flat files, MS Excel Files, MS Access, SSIS 2008, Oracle 9i/10g, Erwin 7.3, Power Designer, MS SQL Server 2005/2000, PL/SQL, Teradata V2R5, Mainframes, Toad, Perl, Unix scripting, Windows NT, Autosys, Business Objects

**Client- SBI Life Insurance Company, Bangalore, INDIA July ’10 – Sept’13**

**Role: Data/Tera Data Analyst**

ICICI Bank is a major banking and financial services organization in India. It is the 4th largest bank in India and the largest private sector bank in India by market capitalization. ICICI Bank is also the largest issuer of credit cards in India. ICICI Bank offers a wide range of banking products and financial services to corporate and retail customers through a variety of delivery channels and through its specialized subsidiaries in the areas of investment banking, life and non-life insurance, venture capital and asset management.

**Responsibilities:**

* Responsibilities include gathering **business requirements**, developing strategy for **data cleansing** and **data migration**, writing functionalandtechnical specifications, creating **source to target mapping**, designing **data profiling** and **data validation** jobs in **Informatica,** and creating **ETL jobs** in Informatica.
* Designed the data marts using the **Ralph Kimball’s** Dimensional **Data Mart** modeling techniques
* Gathered all the Sales Analysisreport prototypes from the **business analysts** belonging to different **Business units**
* Designed, developed and tested **data mart prototype (SQL 2005), ETL process (SSIS)** and **OLAP cube (SSAS**)
* Involved in Data Extraction, Transformation and Loading **(ETL)** from source systems
* Responsible with **ETL design** (identifying the source systems, designing source to target relationships, **data cleansing, data quality,** creating source specifications**, ETL** design documents, **ETL** development (following **Velocity** best practices).
* The data received from **Legacy Systems** of customer information were cleansed and then Transformed into **staging tables** and **target tables** in **DB2**
* Used **External Tables** to **Transform** and **load** data from **Legacy systems** into **Target tables**
* Use of data transformation tools such as **DTS, SSIS, Informatica or Data Stage.**
* Conducted Design reviews with the **business analysts**, content developers and **DBAs**
* Designed, developed, and maintained **Enterprise Data Architecture** for enterprise data management including business intelligence systems, data governance, **data quality,** enterprise metadata tools, **data modeling, data integration,** operational data stores, data marts, data warehouses, and data standards.
* **Incremental loading** of **Fact table** from the source system to **Staging Table** done on daily basis
* Coding **SQL stored procedures** and **triggers.**
* Designed different types of **STAR schemas** like detailed data marts and Plan data marts
* Monthly Summary data marts, Inventory data marts using **Erwin** (with various Dimensions Like Time, Services, Customers, Sales Hierarchy, Orders **Snow Flake Dimensions** and various **FACT Tables**)
* Worked on data modelling and produced **data mapping and data definition documentation**
* Worked on **SQL Server 2005** concepts **SSIS** (SQL Server Integration Services**), SSAS (**Analysis Services) and **SSRS (**Reporting Services**).**
* Designed a **reporting table approach** to get better performance of complex queries and Views.
* Data maintenance activities like **REORG, RUNSTATS, LOAD, UNLOAD, IMPORT** and **EXPORT**.
* Performance & tuningand **installation** of **DB2** on **Linux**.
* **Performance tuning** was an ongoing process, tuning queries**.**
* Monitoring and providing 24x7 supports for the production database.

**Environment: Linux, IBM Web sphere 6.0, Erwin, SQL Server 2000/2005, Crystal Reports 9.0, HTML, Data Stage Version 7.0, Oracle, Toad, MS Excel, PowerPoint.**