**Mohammed**

**Summary:**

* Over **10** years of Experience working as a **Data Analyst**/**Data Modeler and Data Architect** with emphasis on **Data Mapping**, **Data Validation**, Requirement Gathering in OLTP and OLAP environments.
* Proficient in Analyzing source system by examining the content, structure and internal relationships of legacy data sources like **flatfiles**, **Excel**, **Oracle**, **Sybase**, **SQLServer**, **XML** and **DB2** databases.
* Involved in all phases of the software development life cycle (**SDLC**), from requirements definition through implementation and supported my models in transformation and analysis phase.
* Experienced in **Data Migration**, **Data Conversions** using **DTS**, **Data Junction** and **SQL Loader**.
* Expert in creating Canonical modeling repository that can be reused for generating schema for the current and future applications operations.
* Articulate with **Data Conversion**, **Data Quality**, **Data Profiling**, Performance Tuning and System Testing and implementing **RDBMS** features.
* Created data mappings to load data from target using different transformations and executed workflows for data loads to target systems.
* Well-versed in writing **SQL queries** to perform end-to-end **ETL validations** and support Ad-hoc business requests.
* A good expertise in Extract Transform and Load (**ETL**) data from spreadsheets, database tables and other sources using Informatica, Talend, Pentaho and DataStage.
* Solid understanding of **Ralph Kimball's** and **BillInmon's modeling** techniques.
* Excellent experience on databases such as and MongoDB Oracle, Netezza, Teradata
* Good knowledge and experience on Big Data technologies such as Hive, Hbase, Hadoop etc.
* Competent knowledge in **Data** **Modeling** tools like **ERWIN**, **Power Designer** and Embarcadero **ER**/**Studio**.
* Worked extensively on **XML** data and **XSD** schema designing.
* Experienced in generating and documenting **Metadata**, while designing **OLTP**, **ODS** and **OLAP** systems environment.
* Experienced in **Datastage** development process in a professional environment
* Experience working specifically as part of a team to implement and support **CCAR.**
* Experience with **Data** **Analysis**, mapping source and target systems for data migration efforts and resolving issues relating to **data** **migration**
* Good Knowledge in designing the data marts using **Ralph Kimball's** and Bill Inmon Dimensional **Data Mart** Modeling techniques
* Good Knowledge on **SQL queries** and creating database objects like **stored procedures, triggers, packages** and **functions** using **SQL** and **PL**/**SQL** for implementing the business techniques.
* Excellent analytical and communication skills with clear understanding of business process flow, **SDLC** life cycle and facilitated **JAD**/**JAR** sessions
* Well versed with the concepts of **Forward Engineering** and **Reverse Engineering** for the existing databases for the Conceptual and **Logical**/**Physical** models using **Erwin tool**
* Proficient in System Analysis, **ER**/**Dimensional** **Data** **Modeling**, **Database** design and implementing **RDBMS** specific features.
* Well versed with **Data** **profiling**, **Data** **Migration** and **Data** **Conversions**.

**Technical Skills:**

* **Analysis and Modeling Tools**: Erwin 7.2/7.0, 8.0, r9, Sybase Power Designer, Oracle Designer, BPwin, Rational Rose, ER/Studio, MS Visio
* **ETL Tools**: Informatica Power Center 9.5/8.6.1/8.1/7.1, Data Stage 7.5, Ab Initio, Talend
* **OLAP Tools**: MS SQL Analysis Manager, DB2 OLAP, Cognos Powerplay
* **Languages**: SQL, PL/SQL, T-SQL, XML, HTML, UNIX Shell Scripting, C, C++, AWK
* **Databases**: MS SQL Server 2008/2005/2000, Oracle11g/10g/9i/8i, DB2 V9.5, Teradata V2R6.1, MS Access 2000
* **Operating Systems**: Windows XP/2000/98, UNIX (Sun Solaris 10)
* **Project Execution Methodologies**: Ralph Kimball and Bill Inmon data warehousing methodology, Rational Unified Process (RUP), Rapid Application Development (RAD), Joint Application Development (JAD)
* **Tools & Software**: TOAD, MS Office, BTEQ, Teradata SQL Assistant
* **Tools**: MS-Office suite (Word, Excel, MS Project and Outlook), VSS
* **ETL Tools**: Microsoft DTS/SSIS, SSRS and Informatica 7.1.3
* **Packages**: Microsoft Office 2010, Microsoft Project 2010, SAP and Microsoft Visio, Share point Portal Server
* **Operating Systems**: Microsoft Windows XP / Vista/7 and UNIX
* **Quality Assurance Tools:** Win Runner, Load Runner, Test Director, Quick Test Pro, Quality Center, Rational Functional Tester

**Waddell and Reed, Overland Park, KS Jan 14 – till date**

**Sr. Data Modeler/Data Analyst/Data Architect**

**Responsibilities:**

* Involved in designing **logical**, **physical** and **dimensional database** designs using reverse and forward engineering of **ERWIN**.
* Extensive knowledge of the most advanced tools and applications aiding the execution of **Datastage** design and development functions.
* Development of **Datastage** design concepts, execution and testing
* ExcellentKnowledge Of **comprehensive Capital Analysis and Review (CCAR)** skill set to work by modeling and designing for finance data warehouses or finance/credit/risk data marts.
* Perform the necessary data analysis, modeling, and design to implement a common financial data store to support the **CCAR program**
* Used **ERWIN's** Database Generation for generating **DDL**, stored procedure and trigger code for your target database
* Involved in **Data Warehouse** Support – **Star Schema** and **Dimensional modeling** to help design **Data Mart** and data warehouse.
* Extensively used **Normalization** techniques (**up to 3NF**).
* Writing complex queries using Teradata **SQL**.
* Performed data analysis and data profiling using complex SQL on various sources systems including Oracle and Netezza
* Developed strategies for data warehouse implementations, data acquisitions, provided technical and strategic advice and guidance to senior managers and technical resources in the creation and implementation for data architecture and data modeling.
* Defined corporate metadata definitions for the enterprise data supported databases including operational source systems, data stores and data marts developed logical and physical data models and documented source data from multiple sources, internal systems, external source systems, and third party data.
* Worked with the **ETL team** to document the transformation rules for data migration from source to target systems.
* Developed source to target mapping documents to support **ETL design**.
* Developed the **logical data models** and **physical data models** that capture current state/future state data elements and data flows using **ER Studio**.
* Worked closely with the **ETL Developers** to explain the complex Data Transformation using Logic.
* Involved in designing the procedures for getting the data from all systems to **Data** **Warehousing** system.
* Possess extensive knowledge on the **Database Triggers**, **Stored Procedures**, **Functions** and Database Constraints.
* Written stored **procedures** and **triggers** and optimized for maximum performance.

**Environment**: ERWIN 8.2, Informatica PowerMart (Source Analyzer, Data warehousing designer, Mapping Designer, Mapplet, Transformations), MS SQL Server 2008, Oracle, SQL, PL/SQL, Sun Solaris, Windows 7, IBM Compatibles.

**Pearsons, Iowa City, IA Sep 11 – Nov 13**

**Sr. Data Modeler/Data Architect**

**Responsibilities:**

* Involved in the projects from requirement analysis to better understand the requirements and support the development team with the better understanding of the data.
* Designed **logical** and **physical** **data** **models** for multiple **OLTP** applications.
* Redesigned some of the subject areas and introduced some new entities and attributes as per the requirements.
* Wrote and executed **SQL queries** to verify that data has been moved from transactional system to **DSS**, **Datawarehouse**, **data mart** reporting system in accordance with requirements.
* Involved in Migrating the data model from one database to Teradata database and prepared a Teradata staging model.
* Designed star schemas and bridge tables to control slowly changing dimensions. Applied the normal forms on the OLTP database.
* Tuning and optimization of Teradata Queries Created the ETL data mapping documents between source systems and the targetdata warehouse.
* Consolidated and generated database standards and naming conventions to enhance Enterprise Data Architecture processes.
* Designed the **ERdiagrams**, **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**
* Wrote and executed **SQL queries** to verify that data has been moved from transactional system to **DSS**, **Datawarehouse**, **data mart** reporting system in accordance with requirements.
* Worked in importing and cleansing of data from various sources like **Teradata**, **Oracle**, **flatfiles**, **SQLServer2005** with high volume data
* To Design the **logical Model** and ensure that if follows the **normalization** rules and have the best possible traceability pattern
* Documented the design conventions used for performing database modeling.
* Responsible for ensuring and providing consistent **metadata** across all the models in **FPA**.

**Environment**: Quality Center 9.2, PL/SQL, Business Objects XIR2, ETL Tools Informatica 8.6, Oracle 11G, Teradata R13, Teradata SQL Assistant, Load Runner 7.0, Oracle 11g, UNIX AIX 5.2, PERL, Shell Scripting

**Travelers Insurance, Hartford, CT Apr 11 – Jul 13**

**Sr. Data Modeler/Data Analyst**

**Responsibilities:**

* Interacting with business users to understand the business requirements.
* Coordinating with Business analysts to understand the business challenges and data for reporting.
* Designed and Developed strategies for Data Conversions and Data Cleansing
* Creating Mappings, Tech Design, loading strategies for ETL to load newly created or existing tables.
* Created Schema objects like Indexes, Views, and Sequences, triggers, grants, roles, Snapshots.
* Pre populate the static tables in the Data warehouse
* Excellent exposure in Data Profiling in reference to Data Warehouse and BI development.
* Involved with data profiling for multiple sources and answered complex business questions by providing data to business users.
* Worked with data investigation, discovery and mapping tools to scan every single data record from many sources.
* Created partitions and indexes for the tables in the data mart.
* Maintained **metadata (data definitions of table structures)** and version controlling for the **data model**.
* Conducted design reviews with business analysts, Enterprise data architect and solution lead to create proof of concept for the reports.
* Created source to target mapping documents of **data mart** for all sources.
* Developed **SQL scripts** for creating tables, Sequences, Triggers, views and materialized views.
* Developed **SQL scripts** for loading data from staging area to target tables.
* Conducted performance analysis and created partitions, indexes and Aggregate tables.
* Developed **SQL scripts** for loading the aggregate tables and rollup dimensions.
* Performed **data analysis** on the target tables to make sure the data as per the business expectations.
* Studied the existing **BI architecture** and analyzed the existing systems to propose the alternate solutions.
* Proposed the **EDW data design** to centralize the data scattered across multiple datasets. The proposal also address the data duplications, data in consistencies, **data quality** management etc.
* Performed the **Data Mapping**, **Data design (Data Modeling)** to integrate the data across the multiple databases in to EDW.
* Migrated the critical reports using **PL**/**SQL**&**UNIX** packages.
* Involved in the creation of reporting universes in **Business Objects**.

**Environment**: Oracle, Toad for Oracle 10, Toad Data Modeler 3.4, SQL Plus, Erwin Data Modeler 8.2, Erwin Model Manager 8.2, MS Visio, Source Offsite (SOS), Windows 7, Business Objects, Oracle SQL Developer

**Key Bank, Columbus, OH Sep 08 – Mar 11**

**Sr. Data Modeler/Data Analyst**

**Responsibilities:**

* Worked with Business analysts and sales management team on day to day activities.
* Organized **JAD** sessions and captured the technical requirements core and edge.
* Have done **data** **analysis (Gap Analysis),** to map **logical** to **physical** elements.
* Work with subject matter experts, Finance & HR data analysts & other data modelers to create **data modeling** deliverables.
* Create **logical and physical data models** using best practices to ensure high **data** **quality** and reduced redundancy. Define, document, and articulate design goals and standards.
* Take ownership of data models, both logical and physical, inclusive of version control.
* Optimize and update **logical and physical data models** to support new and existing projects.
* Perform **reverse engineering** of physical data models from databases and SQL scripts.
* Provide the technical documentation to the **ETL** developers for developing the data loading techniques & the design details to the Reporting team.
* Involved in writing **PL/SQL procedures**, Pre-session and Post- Session Scripts.
* Responsible for code migration & database changes through the various stages of the **Project development lifecycle**.
* Employ best practices in data profiling and designing solutions for handling data quality issues.
* Validate business data objects for accuracy and completeness.
* Analyze data-related system integration challenges and propose appropriate solutions.
* Managed the Database security by providing the customized and configured product user authentications and authorizations.

**Environment**: Oracle, Teradata V2R6 & SQL server 2005, Datastage 8.1 & 9, Erwin data modeler, SQL developer & PLSQL developer

**iGate, Bangalore, India Apr 05 – Aug 08**

**Data modeler/Data Analyst**

**Responsibilities:**

* Participated in Business Requirements gathering with business and user groups.
* Designed **Conceptual**, **logical** and **PhysicalDataModels** using **Erwin**.
* Maintained data model by implementing change request by developers.
* Worked with **DBA** to create table, add columns by providing them **SQL** scripts.
* Implemented **DDL** in **oracle** database.
* Worked with development team to get change request and implement in data model and then database.
* Performed **Normalization**, Indexes Tuned and Optimized the existing database design.
* Maintained data mapping information and documented properly.
* Performed various tasks that included data massaging, data extraction from flat files, data transformations into various file formats, validations, loading data and checking for any data integrity errors.
* Successfully designed Aggregation tables in the **dimensional model** data warehouse.
* Documented **data dictionary** for all version of data models.
* Verified business definitions for table and column and maintained standard physical naming with primary qualifier and class words.
* Worked very closely with end user to implement their need in data model designed.
* Conceptual, **logical** and **physical data** models are designed with maintaining data governance and naming standards.

**Environment**: Power Designer, Erwin, Oracle 9i, SQL Server 2005, MS Office.