**DIVYA KOTLA**

**7+ years**of excellent experience as a **Data Modeler**, Data Analyst and SQL Developer in IT, Finance, Management and Software domains. Also experienced in database management, strategic analysis, requirements gathering, application and decision support, which plays a key role in software development life cycle (SDLC).

**Summary:**

* Seven plus years of professional experience in data modeling and data analysis as a Proficient in gathering business requirements and handling requirements management.
* Experienced in designing the **Conceptual**, **Logical** and **Physical** data modeling usingErwin and ER Studio Data modeling tools.
* Good in system analysis, **ER Dimensional Modeling**, **Database design** and implementing RDBMSspecific features.
* Experience in modeling with both **OLTP**/**OLAP** systems and**Kimball** and **Inmon**Data Warehousing environments.
* Experience in modeling OLTP and OLAP using tools like **Erwin r9.6/9.1/r8/r7.1/7.2**, **Sybase Power designer 12.1**and **E-R Studio.**
* Having good experience with **Normalization** (1NF, 2NF and 3NF) and **De-normalization techniques** for improved database performance in OLTP, OLAP, Data Warehouse and Data Mart environments.
* Strong knowledge of data warehouse architecture and **Star, Snowflake Database schemas, Fact** and **dimensional tables**.
* Experience in using and maintaining **Metadata Management Tools** for maintaining Business and Technical Metadata.
* Expert in writing **SQL queries** and optimizing the queries in **Oracle9i/10g/11g**, **SQL Server 2005/2008/2012/2014**.
* Extensive experience in development of **Oracle PL/SQL Scripts**, **Stored Procedures** and **Triggers** for business logic implementation.
* Experience in building reports using **SQL Server Reporting Services** and **Crystal Reports**.
* Worked extensively on forward engineeringprocesses. Created DDL scripts for implementing Data Modeling changes.
* Created ERWIN reports in HTML, RTF, PDF format depending upon the requirement.
* Experience in performing **reverse engineering** of physical data models from data, SQL scripts
* Experienced in designing the **data mart** and creation of cubes.
* Experience in **data transformation**, **data mapping** from source to target database schemas, **data cleansing** procedures
* Experience in using **SSIS** in solving complex business problems.
* Experience in using **SSRS** and **Cognos** in creating and managing reports for an organization.
* Well versed in conducting **Gapanalysis**, User Acceptance Testing (**UAT**), Cost benefit analysis and **ROI analysis**.
* A good familiarity and experience in the work environment consisting of Business analysts, Production/Support teams, Subject Matter Experts, Database Administrators and Database developers.
* Experience in implementation of **HIPAA 4010** and **HIPAA 5010** changes in the existing claim processing integrated system.
* Excellent knowledge of **Health Insurance Portability** and **Accountability Act** (HIPAA) transaction.
* Performed legacy application data cleansing, data anomaly resolution and developed cleansing rule sets for ongoing cleansing and data synchronization.
* Worked in importing and cleansing of data from various sources like Teradata, Oracle, flat files, SQL Server 2012 with high volume data.
* Excellent problem solving and analytical skills with exceptional ability to learn and master new technologies efficiently.
* Experienced in writing data quality rules. Ensured the quality, consistency and accuracy of data.
* Perform data analysis and profiling of source data.

**Technical Skills**:

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| **Data Modeling Tools** | ERwin r7.1/7.2, ERwin r8.2, ERwin r9.1/9.5, 9.6, Embarcadero ER/Studio, Oracle Designer, Sybase Power Designer. |
| **OLAP Tools** | Microsoft Analysis Services, Business Objects and Crystal Reports 9. |
| **Programming Languages** | SQL, T-SQL, PL/SQL, Base SAS, HTML, XML, VB.NET, C, C++, UNIX and Shell Scripting. |
| **Database Tools** | MicrosoftSQL Server 2000/2005/2008/2012/2014, MySql, Oracle 11g/10g/9i/8i, DB2, MS Access 2000 and Teradata V2R6.1. |
| **Packages** | Microsoft office Suite, Microsoft Project 2010, SAP and Microsoft Visio. |
| **ETL Tools** | Informatica 7.1/6.2, Data Junction, Ab-Initio, Data Stage, SSIS. |
| **Other Tools** | SAS Enterprise Guide, SAP ECC and Panorama Web Service, CodeFlow/ TFS. |

Professional Experience:

**Bridgestone, Aiken, SC** Feb2015 - Present

**Role:Sr. Data Analyst / Data Modeler**

**Responsibilities:**

* Participated in all phases of project including Requirement gathering, Analysis, Design, Coding, Testing, Documentation and warranty period.
* Designed **ER diagrams**, **logical model** (relationship, cardinality, attributes, and, candidate keys) and convert them to **physical data model** including capacity planning, object creation and aggregation strategies, partition strategies, Purging strategies as per business requirements.
* DevelopedData modelsand ERDdiagrams using **Erwin**.
* Used **Forward Engineering** to enhance the Data Structures of the Existing Database and Create a Physical Data Model with DDL that best suits the requirements from the Logical Data Model.
* Performed **reverse Engineering** on existing Data model to understand data flow and business flow.
* Performed data analysis of existing database to understand the data flow and business rule applied to different databases by SQL
* Conducted meetings with the business and technical team to gather necessary analytical datarequirements in JAD sessions.
* Created **standard abbreviation document** according to business standard.
* Includes documentation of all **entities**, **attributes**, data relationships, **primary** and **foreign key** relationships, allowed values, codes, business rules, glossary terms, etc.
* Checking, cleansing and scrubbing the data received from vendors and loading them into the specific schema using the SQL loader
* Responsible in designing and introducing new (**FACT and Dimension Tables**) to the existing Model.
* Extensively worked on documentation of **Data Model**, **Mapping**, **Transformations** and **Scheduling jobs**.
* Responsible for **data mapping** and writing **transformation rules**.
* Provided help to fellow **ETL developers**, assisting them with troubleshooting.
* Developed the **Data mart** for the base data in **Star Schema**, **Snow Flake Schema** and **Multi Star Schema** and involved in developing the**Data warehouse** for the Database.
* Created the shell scripts to run the procedures and to create the reports and cleansing the data.
* Involved in extracting,governance, transforming, integrating, and loading data into different Data Marts using Data Stage Designer.
* Data validation , data cleansing and data Reconciling between ERP and OWS environments in Prod for various functional areas like AP, GL, Inventory and SC.
* Expertise in **Data Analysis** by writing complex **SQL Queries**.
* Assisted in designing and development of DB2 and Oracle server and database objects.
* Provided assistance for optimization and performance tuning of DB2 SQL and stored procedures.
* Performed audit on data and resolved business related issues for customer base.
* Coordinated with customers and staff and provided support to all data analysis.
* Performed data analysis on all results and prepared presentations for clients.

**Environment:Erwinr9.6,SQL Server 2012/2014,Oracle,DB2 SQL,Informatics Power Center, Source Analyzer, Data warehouse designer, Workflow Manager, Workflow Monitor, PL/SQL.**

**Molina HealthCare Inc, Long Beach, CA**July 2014 – Jan 2015

**Role: Data Analyst /Data Modeler**

**Responsibilities:**

* Active interaction with business groups to gather datawarehouse requirements.
* Experience with **AGILE** methodology.
* Determined data rules and conducted logical and physical design reviews with Business analysts, DBAs and developers
* Developed a **wellversedconceptual model** based on the business requirements.
* Translated business requirements into detailed, production-level technical specifications, new features and enhancements to existing technical business functionality.
* Widely used Normalization methods and have done different normalizations (3NF).
* Developed the **Star Schema/Snowflake Schema** for the proposed warehouse model to meet the requirements.
* Created mappings for **Type 2 SCD** (slowly changing dimensions) for updating and inserting records and thereby maintaining history.
* Provided **architecture/development** for initial load programs to migrate production databases from **Oracle data marts** to **Teradata**datawarehouse.
* Involved in the critical design review of the finalized database model.
* Involved in documenting the entire technical process.
* Helped in migration and conversion of data from the **Sybase database** into **Oracle database**, preparing mapping documents and developing partial SQL scripts as required.
* Tuned SQL queries to make use of databaseindexes.
* Generating ad-hoc reports using crystal reports 9.
* Used SSIS to create ETL packages to validate ,extract,transform,load data to datawarehouse databases,datamart databases.
* Designed and developed **SSIS Packages** to extract data from various data sources such as **Access database**, **Excel spreadsheet**, and **flat files** into **SQL Server** for further **Data Analysis** and **Reporting** by using multiple transformations provided by SSIS such as **Data Conversion**, **Bulk Insert**, **merge** and **union all**.
* Developed Data Mapping, Data Governance, Transformation and Cleansing rules for the Master Data Management Architecture involving OLTP, ODS and OLAP.
* Performed data profiling and analysis applied various data cleansing rules designed data standards and architecture/designed the relational models.
* Written various UNIX shell Scripts for scheduling various data cleansing scripts, loading process and automating the execution of maps.
* Created summary/semantic level tables based on the reporting requirements.
* Involved in designing and implementing the security for the databases.
* Analyzed and interpreted results using standard statistical tools and techniques.
* Propose strategies to implement HIPAA 4010 in the new MMIS system & eventually move to HIPAA 5010.Worked in Irise.
* Responsible for the full **HIPAA** compliance lifecycle from gap analysis, mapping, implementation and testing for **Medicaid** Claims.
* Responsible for gap analysis in changing old **MMIS** and Involved in testing new MMIS. Also, accountable for Medicaid Claims Resolution/Reimbursement for peach state health plan using MMIS.
* Served as a liaison between the internal and external business community (Claims, Billing, Membership, Capitation, Customer service, membership management, provider management, advanced Healthcare management, provider agreement management) and the project team.
* Understands the importance of maintaining the physical and technical security and privacy of **protected health information (PHI)** and other sensitive data.
* Defects and bug testing by using Rational Clear-Quest, Configuration management and Version control with Clear-Case.

**Environment: ERWIN r9/9.1, Oracle 11g, Toad,Crystal reports 9, SQL Server2012/2014, Windows XP, Teradata, DB2**

**Mercer County College Systems, Trenton, NJ**Oct 2013 -July 2014

**Role: Data Modeler**

**Responsibilities:**

* Participated in requirement gathering session with business users and sponsors to understand and document the business requirements as well as the goals of the project.
* Created and reviewed the **conceptual model** for the EDW (Enterprise Data Warehouse) with business
* Analyzed the source system (JD Edwards) to understand the source data and JDE table structure along with deeper understanding of business rules and data integration checks.
* Identified various facts and dimensions from the source system and business requirements to be used for the data warehouse.
* Created the **dimensional logical model** with approximately 10 facts, 30 dimensions with 500 attributes using ER Studio.
* Implemented the **Slowly changing dimension scheme (Type II)** for most of the dimensions.
* Reviewed the **logical model** with Business users, ETL Team, DBA's and testing team to provide information about the data model and business requirements.
* Created the DDL scripts using ER Studio and source to target mappings (S2T- for ETL) to bring the data from JDE to the warehouse.
* Worked with DBA to create the physical model and tables. Scheduled multiple brain storming sessions with DBAs and production support team to discuss about views, partitioning and indexing schemes, case by case for the facts and dimensions.
* Involved in loading the data from Source Tables to Operational Data Source tables using Transformation and Cleansing Logic.
* Worked on Trillium Data Quality tool for monitoring Production systems for Data Anomalies and resolve
* Worked on Mercury Quality Center to track the defect logged against the logical and physical model.
* Worked as an onsite project coordinator once the design of the database was finalized in order to implement the data warehouse according to the implementation standards. Worked with client and off shore team to make sure that the reports and dashboards are delivered ontime.
* Worked with the test team to provide insights into the data scenarios and test cases.
* Worked on data profiling and data validation to ensure the accuracy of the data between the warehouse and source systems.
* Participated in **UAT** sessions to educate the business users about the reports, dashboards and the BI System.

**Environment:ER Studio 8.0.3, Microsoft SQL 2012 Server, Microsoft SQL Management Studio, Microsoft SQL 2012 Integration Services, Teradata, Microsoft SQL 2012 Reporting Services, Microsoft SQL 2012 Analysis Services, Mercury Quality Center 9.**

**Zions Bank, Salt Lake City, UT**Oct 2012 – Oct 2013

**Role: Data Modeler**

**Responsibilities:**

* Interacted with business users to clarify on business logic required for the data models.
* Involved in gathering complete requirements by organizing and managing meetings with Business Analysts, Data Stewards and subject matter experts on a regular basis.
* Analyzed **OLTP** source systems and **Operational Data Store** and research the tables/entities required for the project. Designing the measures, **dimensions** and **facts** matrix document for the ease while designing.
* Analyzed the specifications and identified the **source data** from disparate data sources like **Oracle, MS SQL Server** and **flat files** that needs to be moved to data warehouse.
* Designed and maintained the **Logical /Physical dimensional data models** and generating the DDL statements and working with the database team in creating the tables, views, keys in the database.
* Performed **Data profiling** and identified the risks involved with **data integration** to avoid time delays in the project.
* Performed **Data scrubbing** for removing incomplete, irrelevant data and maintained consistency in the target data warehouse by cleaning the dirty data.
* Worked on specifications given by the Data governance team and Data quality team that required managing the master data from all the business units and ensuring data quality across the enterprise.
* Validate the models with the production data and developed the **Source to Target mapping matrix**, an expert solutions to design and develop the **mappings** for the loading of data, to the **ETL developers**.
* Expert in data cleansing for accurate reporting. Thoroughly analyze data and integrate different data sources to process matching functions
* Conducted frequent meetings with my ETL coding and development team to co-ordinate the process and to efficiently organize and distribute the workflow among the team.

**Environment: ER Studio 4.5, INFORMATICA Power Center 5.0, Oracle 10g, SQL Server 2008, Flat files, SQL/PL SQL, Win 2000/NT.**

**Usine Technologies, Hyd, India** Oct 2010-Sept 2012

**Role: Data Modeler /SQL Developer**

**Responsibilities:**

* Interacted with users and business analysts to gather requirements.
* Understood existing data model and documented suspected design affecting performance of the system
* Initiated and conducted **JAD** sessions inviting various teams to finalize the required data fields and their formats.
* Developed Logical and Physical Data models by using **Erwin r7.0/8**
* Created logical data model from the conceptual model and its conversion into the physical database design.
* Extensively used **Star Schema and Snowflake Schema** methodologies in building and designing the logical data model into Dimensional Models
* Applied second and third NFR to normalize existing ER data model of OLTP system.
* Used **De-normalization technique** in DSS to create summary tables and improved complex Join operation.
* Gathered statistics on large tables and redesigned Indexes.
* Installed and configured **SQL** Server.
* Designed and developed the databases
* Written **Stored Procedures** and **Triggers** extensively and working very closely with developers, business analyst and end users to generate various audit reports and troubleshoot their query problems and connectivity problems.
* Created integrity rules and defaults.
* Done analysis of resource intensive query and applied changes in existing back-end code (stored procedures, triggers) to speed up **report execution**
* Created ftp connections, database connections for the sources and targets.
* Maintained security and data integrity of the database.
* Developed several forms & reports using **Crystal Reports**.
* Provided maintenance support to customized reports developed in Crystal Reports/**ASP**.
* Done analysis of live site issues related to database and resolved the same.
* Generated Reports from data models.
* Reviewed the **data model** with the functional and technical team.
* Assisted the **ETL** staff, developers and end users to understand the data model.
* Maintained a change log for each of the data models created.
* Created **SQL** codes from data models and interacted with **DBA's** to create development, testing and production database.
* Wrote **store procedures** and **triggers.**
* Added database objects (like indexes, partitions in oracle database) for performance.
* Checked to see if the data models and the databases are in sync

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**Environment: Erwin r7.0/r8, Oracle 8i, SQL Navigator, PLSQL, Pro DB2, SQL server 2008, MS SQL server Analysis Manager, Sybase, Rational Requisite, Windows NT, Crystal Reports.**

**MindGrid Technologies, Hyd, India** June 2008 - Oct 2010

**Role: Database Developer**

**Responsibilities:**

* Involved in creating **Packages**, **Stored Procedures**, **Cursors** and **Triggers** in PL/SQL.
* Involved in **Functional** Testing, **Integration** Testing, **Regression** Testing.
* Involved in creating Anonymous **Pl/SQL scripts**.
* Used built in functions of PL/SQL such as **SQLCODE**,**SQLERRM** for error reporting.
* Extensively involved in writing **SQL queries , Sub queries** and **Join Conditions**.
* Created several database triggers for implementing **Integrity Constraints**.
* Creating **Indexes** for optimizing the data.
* Tuned SQL statements.
* Responsible for **performance tuning**, **analyzing query plans**&**query tuning** for SQL scripts by using tools such as EXPLAIN PLAN, TKPROF and hint.
* Involved in code review and unit testing.
* Used **SQL loader** to load the data from flat file to Oracle table.
* Responsible for performing code reviews.
* Extensively performed manual testing process.

**Environment: Oracle PL/SQL, SQL, Oracle.**

**Education:**

**Bachelors** of **Technology** in Electronics & Communication Engineering, JNTU,Hyderabad,India.