**CHAITANYA**

**SUMMARY:**

* Over **7.5+** years of experience as Data Modeler and Data Analyst in design and development of database and data models for various **OLTP** (Online Transactional Processing), **OLAP** (Online Analytical Processing) Systems.
* Have a good exposure in overall **SDLC** including requirement gathering, development, testing, debugging, deployment, documentation, production support and Extensive experience in Project Management methodologies, **Microsoft SQL Server database management** and **OBIEE.**
* Experience in designing star schema (identification of facts, measures and dimensions), **Snowflake schema** for Data Warehouse, ODS architecture by using tools like **Erwin 7.0/4/0**, **Power Designer**, **Embarcadero ER Studio** and **Microsoft Visio**.
* Involved in the forward engineering of the logical models to generate the physical tables using **Erwin2**.**5**
* Vast experience of requirement gathering, to held the sessions of **JAD** (Joint Application Development), **JRP** (Joint Requirement Planning), **UAT** (User Acceptance Testing), **GAP** analysis.
* Handling **Teradata**node level utilities to monitor & control production system
* Experienced in Data loading using **PL\SQL Scripts** and **SQL Server Integration Services packages** (SSIS 2005/2008).
* Building reports using **SQL SERVER Reporting Services** (SSRS 2005/2008), **Crystal Reports**, **Micro strategy**, **Business Objects** and **Cognos.**
* Very Good exposure to ETL tools like **Informatica**, **Micro Strategy** and **IBM Data Stage** and **SSIS 2008/ 2005**.
* Proficient in **Normalization** (**1NF, 2NF, 3NF and BCNF**)/ **De-normalization** techniques for effective and optimum performance in **OLTP** and **OLAP** environments.
* Well versed in Normalization and De-Normalization techniques for optimum performance in relational and dimensional database environments.
* Excellent knowledge in creating Databases, Tables, Stored Procedure**, DDL/DMLTriggers,** Views, User defineddata types, effective functions, Cursors and Indexes using T-SQL.
* Experience in **SSIS, SSRS** in solving business problems and managing reports in organization.
* Experience working on creating models for **Teradata** master data management.
* Extensive experience in writing complex **Teradata** queries and stored procedures to implement business logic.
* Expertise in writing T-SQL Queries, Dynamic**-queries, sub-queries** and complex joins for generating Complex Stored Procedures, Triggers, User-defined Functions, CTE's Views and Cursors
* Worked with various RDBMS like **Oracle 9i/10g/11g/12c**, **SQL Server 2005/2008**, **DB2 UDB**, **Teradata.**
* Experience working with **Requirement Gathering**, **Conceptual Data Modeling, Logical Data Modeling, Physical Data Modeling.**
* Experience working with **Agile** and **Waterfall** data modeling methodologies.
* Experience working with **Zachman framework**, **canonical model**.
* Experience in **Ralph Kimball and Inmon** approaches.
* Vast experience of requirement gathering, to held the sessions of **JAD** (Joint Application Development), **JRP** (Joint Requirement Planning), **UAT** (User Acceptance Testing), **GAP** analysis.
* Extensive experience in **relational** and **dimensional data modeling** for creating logical and physical design of the database and **ER diagrams** using data modeling tools like **ERWIN** and **ER studio.**.
* Exceptional communication and presentation skills and established track record of client interactions
* Committed Team player with excellent communication skills and capable of working independently. Good problem solving skills, initiative and judgment.
* Exceptional ability to learn and master new technologies efficiently.

**TECHNICAL SKILLS:**

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| Data Modeling Tools | Erwin 7.2/8.2.5/9.5,System Architect 11.3, Rational Rose 2000, MS Visio 2000/2007/2010, ER Studio, ER Studio and Oracle Designer |
| Databases & Database Tools | MS & SQL servers 2000/2005/2008 , Oracle 9g/10g/11g, MS Access 2003/2007/2010, Teradata, DB2,TOAD 9, Data Stage XE 390, Kalido 7, Queryman 5/6, Informatica 8, SQL\*Plus,TD SQL Assistant. |
| Reporting Tools | Cognos 8, Business Objects XI, Crystal Reports 2008, Actuate Reports 10,OBIEE. Qlik view, Tableau |
| Programming Languages | UML, XML, XSD, XSLT, HTML, JavaScript, .NET 2.0/3.0/4.0 based C# and VB, ASP .NET, C, C++, MATLAB |

**PROFESSIONAL EXPERIENCE:**

**Client: Bank of New York Mellon, New York City, NY. Dec’2014 – Till date**

**Role: Sr. Data modeler/analyst.**

**Responsibilities:**

* Conducted team meetings and **Joint Application Design** (JAD) session.
* Developed a Conceptual model using **Erwin** based on business requirements.
* Developed normalized Logical and Physical database models to design **OLTP** system for finance applications.
* Created dimensional model for reporting system by identifying required dimensions and facts using **Erwin r8.0.**
* Produced functional decomposition diagrams and defined logical data model.
* Involved in designing **Context Flow Diagrams**, **Structure Chart** and **ER- diagrams**.
* Used forward engineering to create a Physical**SAS Model** with **DDL**, based on the requirements from the Logical Data Model.
* Used**SSIS** and T-SQL stored procedures to transfer data from OLTP databases to staging area and finally transfer into data marts.
* Worked closely with the **ETL SSIS** Developers to explain the complex Data Transformation using Logic.
* Involved in development and implementation of**SSIS**,**SSRS**and SSAS application solutions for various business units across the organization.
* Implemented Referential Integrity using primary key and foreign key relationships.
* Generated ad-hoc SQL queries using joins, database connections and transformation rules to fetch data from legacy Oracle and SQL Server database systems.
* Performed extensive data analysis and data validation on **Teradata**.
* Created reports using**SSRS** from OLTP and OLAP data sources and deployed on report server.
* Used **Erwin** for reverse engineering to connect to existing database and **ODS** to create graphical representation in the form of Entity Relationships and elicit more information.
* Created physicaldata models using forward engineering
* Worked with **ETL** teams and used Informatica designer, Workflow Manager and Repository Manager to create source and target definition, design mappings, create repositories and establish users, groups and their privileges.
* Used Model Mart of **Erwin** for effective model management of sharing, dividing and reusing model information and design for productivity improvement.
* Extensively used**SSIS** Import/Export Wizard, for performing the ETL operations.
* Consulted with client management and staff to identify and document business needs and objectives, current operational procedures for creating the logical data model.
* Facilitated in developing testing procedures, test cases and User Acceptance Testing (UAT).
* Worked with ad-hoc reporting using Crystal Reports 9 and T-SQL.

**Environment**: Erwin r8.0, SQL, SQL Server 2000/2005, Rational Rose, Windows XP, Oracle 8i, Windows XP/NT/2000.

**Client: RAZOO, 19thStreet, Washington DC. May’ 2014 – Nov2014**

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

**Responsibilities:**

* Involved in the entire system study, analysis and design.
* Requirement gathering from the users. A series of meetings were conducted with the business system users to gather the requirements for reporting.
* Provide **ER diagrams** via **Erwin**.
* Prepared **logical and physical data** models by recognizing the proper **entity** and the **attributes** and implementing a proper **relationship** between them.
* Involved in writing the SQL codes and utilizing **analytical, aggregate functions**.
* Used different types of **joins,** helped **build indexes, partitioning** of the tables, etc.
* Performed user **unit testing** and interacted with the testing team and helped **debug** the code.
* Interaction with the developers and business teams for writing the **technical specification document (TSD)**.
* Used **SQL \*Loader** for data transfer to the oracle databases.
* Created packages in**SSIS** with error handling.
* Requirement analysis was done to determine how the proposed enhancements would affect the current system.
* Experience in integrating Share Point Server with **SSRS** and deploying **SSRS** reports on to Share Point Server.
* Deployed reports, created report schedules and subscriptions. Managing and securing reports using **SSRS**.
* Enhancing and deploying the**SSIS** Packages from development server to production server.
* Integrated crystal reports using **ERWIN** Data modeler.
* Was involved in the **query optimization.**
* Involved in testing the database for queries that were generated and handled the performance issues efficiently.
* Involved in **documenting** the entire technical process.
* Supported technical teams involved with Oracle issues and operations.
* Involved in the **maintenance** of the database.
* Design and developments of the changes and enhancements. The existing submission and refining programs were enhanced to incorporate the new calculations.
* Designed **XML** schemas using **Unified Modeling Language** (UML) – translating business concepts into **XML** vocabularies.
* Interacted with end users to identify key dimensions and measures that were relevant quantitative.

**Environment**: SQL server 7.0, Erwin 2.5, Windows NT, Crystal Reports, XML, UML, C#.

**Client: BASF, Raleigh, NC July’ 2013 – April’ 2014**

**Role: Sr. Data modeler/analyst**

**Responsibilities:**

* System standards, architecture, scenarios, screen specifications were developed and documented using **Erwin** data modeler.
* Data model was designed using **MicrosoftVisio2010**.
* Populating the finance data using **SSIS** from various source feeds was done by design, developing, testing the **ETL** strategy.
* Involved in developing **SSIS** packages using BIDS for Incremental loading process including getting data from transactional system into data base.
* Instrument data was loaded to **DB** daily from bay files with history.
* Designed**SSRS** reports with sub reports, dynamic sorting, defining data source and subtotals for the report and deployed **SSRS** reports.
* To import, export, transform the data between linked servers, MS SQL Server Integration Services (SSIS) was used extensively.
* For data extraction from flat files, Excel files, **OLE** database source to data warehouse, packages were created using MS SQL Server Integration Services (SSIS)
* Production data Reconciliation was developed against data repository.
* Custom index backfill process was developed.
* Operational data repository for the instrument DB was designed and developed.
* For business users to insert/update/delete the data directly into database tables using SSRS report, SSRS solution was developed. This helped in minimizing user requests.
* Worked with tools like **TOAD** for data analysis, **SQLassistant**, Tortoise **SVN** and red gate’s SQL compare.
* Complex **T-SQL** queries were written for data extraction.
* Backups were created and automated the process.
* To execute the reports that usually take longer time of execution using MS **SQLprofiler**, Index tuning Wizard and **SQL** Query **Analyzer**, **T**-**SQL** tuning and optimization of queries were performed.
* Reports were developed using different tools like **tableau**, **SSRS**
* Excel power pivot was also used for reports generation.

**Environment**: Windows 2003 Server, MS SQL Server 2005, SSRS, SSIS, T-SQL, MS Excel 2003, ERWIN, MS Visual Studio 2005, MS Office 2003, MS Access 2003, SQL assistant 2005, SQL server profiler, TOAD-2.1, SVN.

**Client: Wright Express, Portland, ME Oct’ 2012 – June’ 2013**

**Role: Data modeler/Analyst**

**Roles & Responsibilities:**

* Utilized **SQL** for querying the Teradata and oracle **DB** in Linux environment.
* Based on business user requirements and business rules Tested Complex **ETL** Mappings and Sessions to load data from source flat files and **RDBMS** tables to target tables.
* Designed & Created Test Cases based on the Business requirements (Also referred Source to Target Detailed mapping document & Transformation rules document).
* Created dimensional model for the reporting system by identifying required dimensions and facts.
* Participated in major project activities including Architecture, Design discussion, and Requirement gathering, Analysis and review process.
* Working on Gap Analysis of existing data models.
* Configured report server and report manager scheduling, give permissions to different level of users in SQL Server Reporting Services (**SSRS**).
* Used SQL Server Reporting Services (**SSRS**) to generate reports.
* Reverse engineered existing data bases to understand the data flow and business flows of existing systems and to integrate the new requirements to future enhanced and integrated system. Designing Partitioned strategy in data model.
* Working on identifying the applications as systems of records between the two companies and designing the new enhanced integrated warehouse for reporting needs.
* Extensively used **SQL** for Data Analysis and to understand and documenting the data behavior within and between two companies.
* Designing the procedures for getting the data from all systems to Data Warehousing system. The data was standardized to store various Business Units in tables.
* Data modeling was performed using **ERWIN** tool to build logical and physical models.
* Recommended opportunities for reuse of data models in new environments.
* Involved in extensive **DATA** validation using **SQL** queries and back-end testing.
* Used SQL for Querying the database in **UNIX** environment.
* Involved with Design and Development team to implement the requirements.
* Involved in Manual and Automated testing using **QTP** and **Quality Center.**
* Participating in the MR/CR review meetings to resolve the issues.
* Preparation of various test documents for **ETL** process in Quality Center.
* Involved in Test Scheduling and milestones with the dependencies.
* Functionality testing of email notification in ETL job failures, abort or data issue problems.

**Environment:** ERWIN 7.3, oracle 11g, SQL, Microsoft windows, Test Director 7.x, Load Runner 7.0, Oracle 10g, UNIX AIX 5.2, PERL, Shell Scripting TOAD from Quest software.

**Client:Apollo health street, Hyderabad, India. March’ 2010 – Sep’ 2012**

**Role: Data modeler/ analyst**

**Responsibilities:**

* Installed and configured SQL Server.
* Designed and developed the databases
* Created a logical design of the central relational database using **Erwin2.5**.
* Involved in the forward engineering of the **logical models** to generate the physical tables using Erwin2.5.
* Configured the **DTS packages** to run in periodic intervals.
* Extensively worked with DTS to load the data from source systems.
* Writing 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 problem..

* Created integrity rules and defaults.
* 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.
* Involved in writing web forms in ASP.NET using C#.NET
* Worked extensively with the data grid and repeater controls of ASP.NET.
* ADO.NET objects such as SQLconnection, SQLdataadapter, SQLdatareader are used to retrieve the result sets from the SQL server.
* Created tables, views, triggers, stored procedures and indexes.

**Environment**: SQL server 7.0, Erwin 2.5, Windows NT, Crystal Reports, Visual Studio.NET, C#.NET.

**Client: Indian bank, Hyderabad, India. Sep’ 2008 – Feb’ 2010**

**Role: Oracle Developer**

**Roles & Responsibilities:**

* Involved as part of a team for gathering and analyzing the end User Requirements.
* Created Database and Database Objects like Tables, Stored Procedures, Views, Triggers, Rules, Defaults, user defined data types and functions.
* Defined relationship between tables and enforced the **referential integrity constraints**.Created **Clustered** and **Non-Clustered**Indexes.
* Responsible for General Database Administration, **Query Performance tuning.** Worked with **DTS packages** to load the data into Data warehousing system.
* Involved in performance tuning and monitoring of both T-SQL and PL/SQL blocks.
* Trouble shooting Problems by using SQL server profiler.
* Used **DBCC** commands for maintaining the databases.
* Assisted Database developers to optimize SQL queries ~~and~~ Stored Procedures.
* Export & Import data from **Flat file**, **CSVfile** to/from SQL Server Database using **SSIS.**
* Export & Import data from/to databases like **Oracle, MySQL**, and Access to/from SQL Server.
* Responsible for capacity planning and disaster recovery.
* Scheduled jobs to automate different database related activities including backup.
* Monitoring database health, disk space, backup verification.
* Developed Different Maintenance Plans for database monitoring.
* Monitored Server Activity, and solved problem as needed.

**Environment:** Microsoft SQL Server 2000/2005, DTS, Windows 2000, XP

**Education:**Bachelors of technology in Computer Science in Engineering, India.