**Deepthi Reddy**

**Contact: 510-957-8213**

**Email: [Deepti.1684@gmail.com](mailto:Deepti.1684@gmail.com)**

**PROFESSIONALSUMMARY:**

* **8+ years** of Industry experience as a **Data Analyst** with solid understanding of **Data Modeling, Evaluating Data Sources** and strong understanding of **Data Warehouse/Data Mart Design, ETL, BI, OLAP, Client/Server applications.**
* Expert in writing **SQL queries and optimizing the queries** in Oracle, SQL Server 2008/2012 and **Teradata**.
* Experience in **OLTP, OLAP Data warehouse** and **Business Intelligence modeling.**
* Expertise in creating **Conceptual, Logical and Physical data models** in **OLTP** and dimensional models, star schemas data marts and cubes for data warehouse.
* Experience in working with **Logical** and **Physical data** mapping from source to target.
* Experience in gathering and validating reporting requirements and designed optimized reports.
* Experience in working on the testing and **condition of data** and **validation of the data**.
* Experience in **gathering business requirements** and writing **business** and functional requirement documents
* Extensively used **ETL methodology** for supporting data extraction, transformations and loading processing, in a **corporate-wide-ETL Solution**
* Worked on the data architecture framework implementation for **Informatica ETL** environment.
* Experience in **Gap analysis** and **Gap Resolution p**rocess succeeding the Logical data mapping.
* Expert in writing **SQL queries** and analysis of the data patterns.
* Directly responsible for the **Extraction, Transformation & Loading** of data from multiple sources into **Data Warehouse**
* Experience in working on the testing and condition of data and validation of the data.
* Experience in **Data Augmentation, Data Scrubbing, Data Quality, Data Profiling and Data Cleansing.**
* Experience in the implementation of the **Data Management Standards** for the projects.
* Facilitated the model walkthrough sessions with Business users and Developers.
* Experience in working with the **SDLC methodologies.**
* Possess excellent communication skills and team player.
* Extensively strong on databases including Oracle 10g/9i/8i, MS **SQL Server** 2000 / 7.0.
* Good experience in **Data Modeling using Star Schema and Snow Flake Schema** and well versed with **UNIX** shell wrapper and Oracle **PL/SQL** programming.
* Extensive experience in writing **SQL** to validate the database systems and for backend database testing.

**TECHNICALSKILLS:**

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| **Database Systems:** | Oracle 11g, 10i 9i/8i, SQL Server 2008/2005/2000, IBM DB2, TeraData 12, Sybase ASE 12, MS Access 200. |
| **Data Modeling Tools:** | Dimensional Data Modeling, Star Schema Modeling, Snow-Flake Modeling, FACT and Dimensions Tables, Conceptual, Logical Data Physical Modeling, Visio, Sybase Power Designer. |
| **Reporting:** | Crystal Reports and SQL Server 2000/2005 reporting services |
| **ETL Tools:** | Informatica 9.0/8.1/7.x/6.x/5. x. |
| **Database Development:** | T-SQL and PL/SQL |
| **Office Applications:** | MS Office (Word, Excel, Visio, PowerPoint, Project) |
| **Web Development:** | HTML, XML and FrontPage, Visual Basic 6.0 |
| **Operating Systems:** | Windows 7/Vista/2000/XP/2003, Unix 5.2/4.3, Sun Solaris7 |

**PROFESSIONAL EXPERIENCE:**

**Bank Of the West , San Ramon ,CA Nov 2017 – Present**

**Data Analyst**

**Project : NFG CRES Data mart**

**Responsibilities**

* Involved in **Data mapping specifications** to create and execute detailed system test plans. The data mapping specifies what data will be extracted from an internal data warehouse, transformed and sent to an external entity.
* Involved in extensive **DATA validation** using **SQL queries** and back-end testing.
* Designed & Created **Business requirements** Document and Technical requirement Documents (Also referred Source to Target Detailed mapping document & Transformation rules document).
* Involved with Design and Development team to implement the requirements.
* Developed and Performed execution of Test Scripts manually to verify the expected results.
* Design and development of **ETL** processes using **Informatica ETL** tool for dimension and fact file
* Documenting system parameters and formats, ensures hardware, and software systems compatibility and coordinates and/or modifies systems parameters.
* Assisting in formulating and defining small project/system scope and objectives and developing detailed systems specifications from which programs will be written and that fit with the Bank's system architecture standards.
* Participated in evaluating existing systems and procedures to identify deficiencies and maintain more effective data handling, conversion, input/output requirements, and storage.
* Experience in Working with **IT team** through coding and implementation to ensure product matches envisioned result.
* Providing assistance in developing detailed requirements with business partners and system definition.
* **Defects tracking**, review, analyzes and compares results using **HP Quality Center**.
* Document and publish test results, troubleshoot and escalate 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.
* Identify, assess and intimate potential risks associated to testing scope, quality of the product and schedule
* Created and executed test cases for **ETL** jobs to upload master data to repository.
* Responsible to understand and train others on the enhancements or new features developed
* Create and execute test scripts, cases, and scenarios that will determine optimal system performance according to specifications.
* Defined key facts and dimensions necessary to support the business requirements along with **Data**

**Modeler**.

* Resolved the data related issues such as: assessing data quality, data consolidation, evaluating
* existing data sources.
* Manipulating, cleansing &amp; processing data using **Excel, Access** and **SQL.**
* Performed Data Validations using **SQL** developer.
* 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.
* Analyzed the source data coming from various data sources like **Oracle and flat files**
* Created data mapping documents mapping Logical Data Elements to Physical Data Elements and
* Source Data Elements to Destination Data Elements.
* Managed, updated and manipulated report orientation and structures with the use of advanced Excel

functions including Pivot Tables and V-Lookups.

* Tested the data using the Logs generated after loading the data in to **Data warehouse**.
* Worked extensively on the T-SQL **environment to run out the queries and explore the Databases.**
* **Worked with OLAP tools s**uch as ETL, Data warehousing and Modeling.
* Used Informatica / SSIS to extract, transform &amp; 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 Power Center **6.1/7.1/9.6, SQL Server 2012, Test Director 7.x, Load Runner 7.0, Oracle 11g, TOAD,PL/SQL,MS Excel ,**MS Access,**HP Quality Center.**

**Client: Fannie Mae , Herndon ,VA July 2015 – Sep 2017**

**Role: Sr. Data Analyst**

**Responsibilities**:

* Involved in **Data mapping specifications** to create and execute detailed system test plans. The data mapping specifies what data will be extracted from an internal data warehouse, transformed and sent to an external entity.
* Analysis of functional and non-functional categorized data elements for **data profiling** and mapping from source to target data environment. Developed working documents to support findings and assign specific tasks
* Worked on claims data and extracted data from various sources such as flat files, Oracle and Mainframes.
* Responsible for Data mapping testing by writing complex SQL Queries using **TOAD**
* Managed, updated and manipulated report orientation and structures with the use of advanced Excel functions including **Pivot Tables and V-Lookups**.
* Worked with **OLAP tools such as ETL, Data warehousing and Modeling**.
* Analyzed business requirements, system requirements, data mapping requirement specifications interacting with client, developers and QA team.
* Develop and maintain sales reporting using in MS **Excel queries, Visual Basic 6.0, SQL in Teradata, and MS Access.** Produce performance reports and implement changes for improved reporting.
* Used **SQL** tools to run **SQL** queries and validate the data loaded in to the target tables
* Validated the data of reports by writing **SQL** queries in **PL/SQL** Developer against **ODS**.
* Involved in user training sessions and assisting in **UAT** (User Acceptance Testing).
* Strong ability in developing advanced **SQL** queries to extract, manipulate, and/or calculate information to fulfill data and reporting requirements including identifying the tables and columns from which data is extracted
* Metrics reporting, data mining and trends in helpdesk environment using **Access**
* Performing data management projects and fulfilling ad-hoc requests according to user specifications by utilizing data management software programs and tools like Perl, Toad, MS **Access**, **Excel** and SQL.
* Written **SQL** scripts to test the **mappings** and Developed Traceability Matrix of Business Requirements mapped to Test Scripts to ensure any Change Control in requirements leads to test case update.
* Involved in extensive DATA validation by writing several complex **SQL** queries and Involved in back-end testing and worked with data quality issues.
* Worked with end users to gain an understanding of information and **core data** concepts behind their business.
* Assisted in defining business requirements for the IT team and created **BRD and functional specifications** documents along with mapping documents to assist the developers in their coding.
* Identify & record defects with required information for issue to be reproduced by development team.
* Designed and developed database models for the operational data store, data warehouse, and federated databases to support client enterprise Information Management Strategy.
* Flexible to work late hours to coordinate with offshore team.

**Environment: Informatica** Power Center 9.0, **TOAD**, Oracle 9i, **PL/SQL**, MS Access, **Quality Center 9.2, MS Excel 2007, PL/SQL, Java, Business Objects XIR2, ETL Tools Informatica 8.6, Oracle 11G, Teradata V2R12, Teradata SQL Assistant 12.0**

**Client: Cigna Healthcare** **Denver, CO August 2013 to May 2015**

**Role: Data Analyst**

**Description:** This project involved creating the medical claims processing system. It consisted of different modules like provider enrollment, member enrollment, programs and coverage. This project also involved the maintenance of claims workstation that automatically handles the entire claims life cycle.

**Responsibilities:**

* Gathered high level requirements and developed scope of the project for the implementation of Microsoft Office Share Point 2007.
* Conducted weekly meetings for deciding the Policies and Procedures to be followed while constructing new sites.
* Performed the requirement analysis, impact analysis and documented the requirements using Rational Requisite Pro.
* Documented the server farm requirements and requirements related to security within Share Point and using Windows Active Directory.
* Experience with Data Extraction, Transforming and Loading (**ETL**) using various tools such as **Data Transformation Service (DTS), SSIS and Bulk Insert (BCP)**
* Responsible for creating test scenarios, scripting test cases using testing tool and defect management for Policy Management Systems, Payables/Receivables and Claims processing.
* Worked on billing system a cash management module and enhanced the encrypting standards that are required for the application.
* Worked on bug tracking reports on daily basis using **Quality Center**.
* Designed, developed and tested data mart prototype **(SQL 2005), ETL process (SSIS) and OLAP cube (SSAS) for Computer Maintenance Management System (CMMS).**
* Worked on SQL Server concepts **SSIS** (SQL Server Integration Services), **SSAS** (Analysis Services) and **SSRS** (Reporting Services).
* Followed a systematic approach to eliciting, organizing, and documenting requirements of the system.
* Reviewed the Joint Requirement Documents (**JRD**) with the cross functional team to analyze the High-Level Requirements.
* Identify customer Marketing opportunities by applying data mining models and writing advanced **T-SQL** stored procedures and queries
* Created customized report using **OLAP Tools** such as **Crystal Report** for business use.
* Used Query Analyzer, Execution Plan to optimize **SQL Queries**.
* Was responsible for creating Activity and Sequence Diagrams for all major business processes flows in the system.
* Interacted with client and the Technical Team for requirement gathering and translation of Business Requirement to Technical specifications.
* Use of data transformation tools such as **DTS, SSIS**, **Informatica** or Data Stage.
* Create the data model, design the **ETL** process approach, identify the metrics, KPI's from the data and design the mockups to present the data on **Tableau dashboard**.
* Planned and documented procedures for data processing and prepared data flow diagrams for the application.
* Performance tuned report queries by using indexes, parallel hints and optimized the queries generated in answers
* Used the Catalog Manager and maintained the Analytics web catalog to manage dashboards & answers.
* Used Analytics Web Catalog to set up groups, access privileges and query privileges.  Designed and developed project document templates based on **SDLC** methodology
* Designed workflows and allocated permissions within SharePoint.
* Performed Unit Testing and **User Acceptance testing** and documented detailed results.

**Environment:** Oracle 10g/9i/8i/7.x, MS SQL Server, UDB DB2 9.x, Teradata, Quality Center, SQL Queries., Siebel Analytics,SSIS Oracle BI, UML, OLAP, Teradata SQL Assistant, DBMS.

**Client: M&T Bank, Buffalo, NY November 2012 – July 2013  
Role: Data Analyst**

**Responsibilities**

* Designed & Created **Test Cases based on the Business requirements** (Also referred Source to Target Detailed mapping document & Transformation rules document).
* Involved in **Data mapping specifications** to create and execute detailed system test plans. The data mapping specifies what data will be extracted from an internal data warehouse, transformed and sent to an external entity.
* Involved in extensive **DATA validation** using **SQL queries** and back-end testing
* Used **SQL for Querying the database in UNIX environment**
* Developed separate test cases **for ETL process (Inbound & Outbound) and reporting**
* Involved with Design and Development team to implement the requirements.
* Developed and Performed execution of Test Scripts manually to verify the expected results
* Design and development of **ETL** processes using **InformaticaETL** tool for dimension and fact file creation
* Involved in Manual and Automated testing using **QTP** and **Quality Center**.
* Conducted Black Box – Functional, Regression and Data Driven. White box – Unit and Integration Testing (positive and negative scenarios).
* **Defects tracking**, review, analyzes and compares results using Quality Center.
* Participating in the MR/CR review meetings to resolve the issues.
* Defined the Scope for **System** and **Integration Testing**
* Prepares and submit the summarized audit reports and taking corrective actions
* Involved in Uploading Master and Transactional data from flat files and preparation of Test cases, Sub System Testing.
* Document and publish test results, troubleshoot and escalate 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.
* Identify, assess and intimate potential risks associated to testing scope, quality of the product and schedule
* Created and executed test cases for **ETL** jobs to upload master data to repository.
* Responsible to understand and train others on the enhancements or new features developed
* Conduct load testing and provide input into capacity planning efforts.
* Provide support to client with assessing how many virtual user licenses would be needed for performance testing, specifically **load testing using Load Runner**
* Create and execute test scripts, cases, and scenarios that will determine optimal system performance according to specifications.

**Environment:**Windows XP, **Informatica** Power Center 6.1/7.1, QTP 9.2, Test Director 7.x, Load Runner 7.0, **Oracle** 10g, **UNIX** AIX 5.2, PERL, Shell Scripting

### Hexaware Technologies Ltd, India October2010 – November 2012

## Data Analyst

**Responsibilities:**

* Designed & Created **Test Cases based** on the Business requirements (Also referred Source to Target Detailed mapping document & Transformation rules document).
* Involved in extensive **DATA validation** using **SQL queries** and back-end testing
* Used **SQL** for Querying the database in **UNIX** environment
* Developed separate test cases for ETL process (Inbound & Outbound) and reporting
* Involved with Design and Development team to implement the requirements.
* Developed and Performed execution of Test Scripts manually to verify the expected results
* Design and development of ETL processes using Informatica ETL tool for dimension and fact file creation
* Involved in **Manual and Automated testing** using QTP and Quality Center.
* Conducted Black Box – Functional, Regression and Data Driven. White box – Unit and Integration Testing (positive and negative scenarios).
* Defects tracking,review, analyzes and compares results using Quality Center.
* Participating in the MR/CR review meetings to resolve the issues.
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* Prepares and submit the summarized audit reports and taking corrective actions
* Involved in Uploading Master and Transactional data from flat files and preparation of Test cases, Sub System Testing.
* Document and publish test results, troubleshoot and escalate issues
* Preparation of various test documents for **ETL process** in **Quality Center**.
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* Functionality testing of email notification in **ETL** job failures, abort or data issue problems.
* Identify, assess and intimate potential risks associated to testing scope, quality of the product and schedule
* Created and executed test cases for ETL jobs to upload master data to repository.
* Responsible to understand and train others on the enhancements or new features developed
* Conduct load testing and provide input into capacity planning efforts.
* Provide support to client with assessing how many virtual user licenses would be needed for performance testing, specifically load testing using Load Runner
* Create and **execute test scripts, cases, and scenarios that will determine optimal system performance according to** specifications.
* Modified the automated scripts from time to time to accommodate the changes/upgrades in the application interface.
* Tested the database to check field size validation, check constraints, stored procedures and cross verifying the field size defined within the application with metadata.

**Environment:** Windows XP, Informatica Power Center 6.1/7.1, QTP 9.2, Test Director 7.x, Load Runner 7.0, Oracle 10g, UNIX AIX 5.2, PERL, Shell Scripting