ETL/QA Analyst

Huma Begum

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**Professioanl summary**

* 6+ years of IT experience in Software Quality Assurance with expertise in Data warehousing and database testing
* Expert in using **Agile/Scrum and Waterfall testing lifecycle Methodologies**
* Experienced in developing, Reviewing, and Executing Test Strategy, Test Plans, Test Scenarios, and Test Cases/Script
* Experience in manual testing process and in creating automation environment using **Quick Test Pro (QTP), Test Director, and Quality Center.**
* Expertise in test strategy design based on the various types of testing including **unit, integration, function, system, usability (UI), End to End, security, load, stress, capacity and performance testing.**
* Experience with **integration testing of the applications using various sources like flat files, Hadoop and DB2 databases.**
* Expertise in creating the test suite to perform regression testing across various releases and builds.
* Expertise in Microsoft office (Word, Excel, Power Point, Outlook, Project, Project, & Visio)
* Proficient in SQL query and testing RDBMS such as **Oracle, MySql, SQL Server** for data validation.
* Proficient in using **SQL Queries using SQL Developer & TOAD** to ensure data consistency of front-end and raw feed by developing and executed complex SQL queries for data base.
* Have good understanding of Data Warehousing concepts, Data Analysis, Data Warehouse Architecture and Designing.
* Proficient in Backend Testing and Data Integrity Testing using SQL.
* Strong experience in **testing ETL applications and BI reports.**
* Strong testing experience in **UNIX platform**.
* Expert in reviewing/reporting, tracking, & maintaining Defects with high level of detail, accuracy and informative recreation steps using **Quality Center, Clear QUEST, Bugzilla, and Email (outlook)**
* Ability to learn and adapt to new tools and technologies very quickly

**Technical summary**

* **Database systems**: Oracle, MySQL, Microsoft SQL Server, Teradata 13
* **Defect-tracking software:** HP Quality Center 11/10.x, TFS, JIRA
* **Tools and Utilities**: Aqua Data Studio, Toad, SQL Developer, Teradata SQL Assistant
* **ETL Tools**: Query Surge, Informatica, DataStage, Ab Initio
* **BI Tools**: Business Objects, Cognos, MicroStartegy
* **Platforms**: UNIX, Linux, Windows (NT, 2000, XP, 2003, Vista), Macintosh, MS-DOS
* **Programming languages**: SQL, PL/SQL, Java

**professional qa experience**

**JPMChase, Wilmington, DE (Dec 2016 – Till Date)**

**Credit Risk Analytics- EDW**

**Sr.QA Analyst**

**Responsibilities:**

* Interacted with clients to determine User requirements and goals.
* Involved in creating the **design and technical specifications** for the ETL process of the project.
* Responsible for data validation testing using SQL and executing test cases on data Warehousing projects.
* Created ETL test data for all ETL mapping rules to test the functionality of the **Informatica** Mapping.
* Responsible for reviewing Functional specs, user documentation and use cases and developing manual test cases out of it.
* Study and analysis of the mapping document indicating the source tables, columns, data types, transformations required, business rules to be applied, target tables, columns and data types
* Supported and collection, analysis, harmonization, and loading of metadata into a metadata repository.
* Developed guidance and standards for the creation of metadata
* Experience in data analysis, data integration, conceptual data modeling or metadata creation.
* Worked with the Data Analyst to understand the source to target mapping document and accordingly helped them to clean the source data to decrease the defects and to ensure that final data matches with the data warehouse standards.
* Analyzed the Specifications and involved in identifying the source data needs to be moved to data warehouse.
* Responsible for helping to capture business requirements, identifying appropriate data sources, data quality issues, business transformation rules, mapping source to target
* Used Merlin **OBIEE** reporting tool for data analysis and several report validations.
* Validated various user dashboards.
* Modified several shell scripts using UNIX Korn shell for file transfers, archiving the existing files, catalog creation, error log creations and log file cleanup process.
* Tuned ETL jobs/procedures/scripts, SQL queries, PL/SQL procedures to improve the system performance
* Experienced in data analysis using SQL, PL/SQL and many other queries based applications.
* Performed periodic checks to run crosscheck against QA/SIT/PROD environments to ensure it is up and running.
* Tested **UNIX** shell scripts created for data migration.
* Involved in extensive data validation using SQL queries and back-end testing
* Used **HP ALM** for test scripts creation, execution, test coverage and defect tracking

**Environment:** HP ALM, Informatica Power, QTP, Oracle 12c, OBIEE 12c, SQL Developer, Sharepoint, MS office package.

**American Family Insurance, Madison, WI (Jan 2015 – Oct 2016)**

**Claims Datamart- CDWS**

**ETL/ QA Analyst**

**Responsibilities:**

* Created Test Strategy for Enterprise Data Warehouse in ETL framework, including Business Intelligence.
* Involved in Business analysis and requirements gathering.
* Assisted in creating fact and dimension table implementation in **Star Schema model** based on requirements.
* Develop test plans based on test strategy. Created and executed test cases based on test strategy and test plans based on ETL Mapping document.
* Preparation of technical specifications and Source to Target mappings.
* Extensively used SQL programming in backend and front-end functions, procedures, packages to implement business rules and security
* Tested source data for data completeness, data correctness and data integrity.
* Solid testing experience in working with SQL Stored Procedures, triggers, views and worked with performance tuning of complex SQL queries.
* Used **QuickTestPro** generated various scripts for performing functional testing.
* Written test cases to test the application manually in Quality Center and automated using **Quick Test Pro**.
* Developed automated test scripts from manual test cases for **Regression testing** based on the requirement documents using **Quick Test Professional**.
* Written **Test Plans and Test Cases** on Rational Tools.
* Defects identified in testing environment where communicated to the developers using defect tracking tool Rational Tools
* Developed scripts, utilities, simulators, data sets and other programmatic test tools as required executing test plans.
* Optimizing/Tuning several complex SQL queries for better performance and efficiency.
* Created various **PL/SQL stored procedures** for dropping and recreating indexes on target tables.
* Worked on issues with migration from development to testing.
* Designed and developed **UNIX** shell scripts as part of the ETL process, automate the process of loading, pulling the data.
* Extensively tested several Cognos reports for data quality, fonts, headers & cosmetic.

**Environment:** Rational ClearQuest, Rational ClearCase, Cognos, DB2, Data stage, Notepad++

**Medtronic, Minneapolis, MN (June 2013 – Dec 2014)**

**EDW, Medicare, Capsule and Recon**

**ETL Tester**

**Responsibilities**:

* Participated in business requirements gathering and in modifications of the requirements based on the scope.
* Created test cases and test plans for user acceptance testing and system testing based on functional specifications.
* Tested all the ETL processes developed for fetching data from OLTP systems to the target Market Data warehouse using complex SQL queries.
* Reached Testing Goals by doing Data Completeness, Data transformation, Data Quality, Performance and Scalability
* Tested all the compliance reports generated using Business Objects BI tool by validating the data in the report against the database according to the requirement specifications using SQL.
* Tested PL/SQL procedures that were developed to load the data from temporary tables in staging to target tables in the data warehouse
* Performed data validation on the flat files that were generated in UNIX environment using UNIX commands as necessary.
* Maintained all the test cases in HP Quality Center and logged all the defects into the defects module.
* Tracked defects to closure by coordinating with the dev team.
* Prepared test data to cover all the test scenarios.
* Performed End to end testing starting from the source to the report.
* Conducted and coordinated with integration testing and regression testing.
* Worked with the DSO team to understand the source to target mapping document and accordingly helped them to clean the source data to decrease the defects and to ensure that final data matches with the data warehouse standards.
* Modified UNIX scripts to run the Informatica ETL jobs from command line.
* Tested the migration of reports from Business objects XIR3 to MicroStartegy.
* Provided support to offshore QA team by giving them knowledge transfer and helping them with closure of the defects.

**Environment:** SQL, PL/SQL, HP ALM, XML, Teradata, Informatica, Business Objects XIR3, MicroStartegy, TOAD

**Coca-Cola, Charlotte, NC (Feb 2012 – May 2013)**

**Merchandizing Data mart- Retail Group**

**QA Analyst**

**Responsibilities:**

* Reviewed the Business Requirement specification Document and the Specification of the application
* Created test requirements hierarchy to represent the features and functionality that needs to be tested in the application.
* Developed Test Objectives, Test Plans and Test Procedures and created manual Test Cases.
* Successfully logged defects using the defect Tracking tool
* Work with developers to fixed defects.
* Performed Manual Testing of the application which involves accounting of various customer accounts using numerous test scripts
* Wrote SQL queries to test the application for data integrity and verified the contents of the data table.
* Created virtual users to check the load performance using Load Runner and evaluated the performance.
* Inserted rendezvous points to generate peak load on the server to ensure that the transactions are performed accurately under the scenario.
* Created Load Runner scripts to measure transaction time for the web based transactions.
* Defects were tracked, reviewed, analyzed and compared using MTM.
* Assisted the Business in the User Acceptance Test (UAT) testing.
* Attended weekly status meetings showing progress and future testing efforts to the project manager.

**Environment:** Windows, MS SQL Server, Test Cases, Test Scripts, Test Plan, Load Runner, MTM, SSMS, MS Office package.