**ETL/ DATAWAREHOUSE TESTER**

**SUMMARY:**

* 7+ years of IT experience in the Analysis, design, development, testing and Implementation of Business Intelligence solutions using Data Warehouse/Data Mart Design, ETL, OLAP, Client/Server applications
* Experience using query tools for Teradata, Oracle, IBM DB2 and MS SQL Server to validatereports and troubleshoot data quality issues.
* Represent QA in all phases of product development including requirement, Analysis, design, construction, testing, implementation, code reviews and support.
* Experience in Data Analysis, Data Validation, Data Cleansing, Data Verification and identifying data mismatch.
* Expertise in developing Software Test Plans, Test Case Design and Test Scripts based on User Requirements Specification (URS) and System Requirements documents.
* Proficient in writing SQL queries to perform data driven tests and involved in front-end and back-end testing. Strong knowledge of RDBMS concepts. Developed SQL queries in Oracle database to conduct DB testing.
* Worked in Agile Framework methodology for both manual and automation testing.
* Work closely SCRUM team to create test scripts and test cases to ensure coverage of all areas of the product/feature(s)
* Hands on experience in Project change control mechanisms, Impact Analysis, Risk Analysis, Defect Management, End to End Testing and Production issues/defects ad-hoc and regression Testing & support Having expert level experience with Functional testing in Functional System Integration testing, User Acceptance Testing, End to End Test Management, Running Automation scripts in Regression Suites and Non - functional security testing areas.
* Extensively used ETL methodology for supporting data extraction, transformations and loading processing, in a corporate-wide-ETL Solution using ETL tools like InformaticaPowerCenterand Data Stage
* Experience in testing Business Intelligence reports generated by various BI Tools like Microstrategy and Cognos.
* Automated and scheduled the InformaticaPowerCenterjobs.

**TECHNICAL SKILLS:**

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| --- | --- |
| ETL Tools | Informatica (PowerCenter, Repository Manager, Designer, Workflow  Manager, and Workflow Monitor),Parallel Extender, Data Mining, EME, Data Profiler, SSIS, Data Stage |
| Test Mgmt Tools | HP UFT, HP QTP |
| Defect Management | JIRA, HP ALM |
| Web Services Testing | SOAP UI |
| Programming Languages | |  | | --- | |  |  SQL, PL/SQL, T-SQL, XML, XSLT, PERL, Shell Scripting. |
| Operating Systems | Windows, UNIX, LINUX |
| Databases | Oracle 10g/9i/8i/7.3, MS SQL Server 6.5/7.0/7.5/2005, IBM DB2, Teradata V2R6 |
| Web Development | HTML, XML, VBScript, Java Script, XSLT |
| Domain | Retail |

**Professional Experience:**

**Advance Auto Parts, Roanoke, VAJan’ 16 – Jun’18**

**ETL QA Tester**

I worked in the Data warehousing and ETL testing projects. The project provided software and hardware upgrade to the POS platform to meet throughput, maintainability and other non-functional requirements. Also, I re-aligned the applications with company’s standards to bring currently used third party software and hardware with current supported levels.

**Responsibilities:**

* Analysis of Business requirements & Design Specification Document to determine the functionality of the ETL and BI Processes.
* Prepared Test Plan from the Business Requirements and Functional Specification for End to End testing.
* Developed Test Cases for Deployment Verification, ETL Data Validation, Cube Testing and Report testing.
* Performed SQL validation to verify the data extracts and record counts in the database tables by writing complex SQL minus queries.
* Experience in manual testing which involves web-based application testing for provider and claims system.
* Tested the ETL mappings from Source to Target in Teradata database..
* Written test cases for checking the populated data correctly into fact and dimension tables.
* Created Test Case documents in MS Excel template from the Test Plan and the Business Requirements documents.
* Designed policies, standards and procedures for testing life cycle for the data warehouse and datamarts.
* Querying various databases for data validation by executing SQL queries.
* Use Agile systems and strategies to provide quick and feasible solutions, based on Agile system, to the organization.
* Validated MicroStrategy BI reports.
* Work Agile, scrum, and sprint environment in order to change the requirements and features set.
* Work closely SCRUM team to create test scripts and test cases to ensure coverage of all areas of the product/feature(s)
* Documented, coached, and elicited business requirements from subject matter experts by writing user stories
* Involved in designing, development and testing phase of Data Models and Data Marts that support the Business Intelligence Data Warehouse.
* Promoted InformaticaPowerCenter application releases from development to QA and to UAT environments as required.
* Performed Web Services testing and XML validation using SOAP UI.
* Created test plan and test cases from the business requirements to match the project’s initiatives in Quality Center.
* Analyzed trading partner specifications and created EDI mapping guidelines.
* Ran workflow monitor to monitor job and workflow manager to run the job in Informatica .In case of error in ETL job, used to record log failure details and report it to developer in order to debug the defect.
* Tested SQL Packages to transform/load the staging data into schema using business logic.
* Involved in Regression, Functional, Integration, System Testing and User Acceptance Testing.
* Performed database validation according to the business logic by comparing the source to the target in Spreadsheet.
* Used JIRA for Defect management.
* Involved in testing the Cognos reports by writing complex T-SQL queries.
* Worked with Users to develop Test cases for user acceptance testing.
* Maintained the test logs, test reports, test issues, using HP ALM.
* Tested SQL queries to validate the data and performance of the database.

**Environment:** InformaticaPowerCenter, OLAP,Agile, JIRA, HP ALM, UI testing, SOAP UI, REST, Junit, MicrostrategyBI, Korn Shell Scripts, **Teradata,**UNIX, Windows X

**Best Buy, Minneapolis, MN Jul‘13 – Dec’ 15**

**ETL QA Tester**

The project was implementing a new system for improving the Point of Sale (Toshiba) performance. I Worked on Inventory credit and debit card processing, gift cards, Control Tracking, Merchandising System, and Finance, Reporting Area, Customer Information and Accounting. This application is a point of sale system, that is developed for use in all the stores for the quantity comparison report for displaying the current in-stock levels versus the quantity sold within a specified date range, other features like customer purchases by department, inventory maintenance, global special pricing, complete invoice storage, invoices on hold, receivables and reports.

**Responsibilities:**

* Analysis of Business requirements & Design Specification Document to determine the functionality of the Business Intelligence (BI) Processes.
* Prepared Test Plan from the Business Requirements and Functional Specification.
* Developed Test Cases for Deployment Verification, ETL Data Validation, Cube Testing and Report testing.
* Promoted Unix/Informatica application releases from development to QA and to UAT environments as required.
* Worked in Agile Testing and participated meetings every day in iterative environment Created and maintained detailed test cases to perform various types of testing.
* Using Agile methodology and engage in an iterative workflow and incremental delivery of working.
* Developed and coordinate implementation timelines with Trading Partners including readiness assessment and coordinated testing.
* Documented defects in JIRA General Access (JRA) and helped DIA team & developers to identify the performance issues and modules to be fixed.
* Conducted XML validation, API validation, REST Web Services testing and Functional testing using SOAP UI.
* Performed SQL validation to verify the data extracts and record counts in the database tables.
* Designed policies, standards and procedures for testing life cycle for the data warehouse and data marts.
* Performed usability testing frequently to ensure continuous availability of online services to personal clients.
* Extracted data from Oracle and upload to Teradata tables using Teradata utilities FASTLOAD. Extensively written Teradata SQL Queries, creating Tables and Views by following Teradata Best Practices.
* Extensively used InformaticaPowerCentertool to extract, transform and load the data from Oracle to Teradata.
* Automated and scheduled the Informatica jobs using UNIX Shell Scripting.
* Attended the Requirements reviews, Design reviews, Code reviews to understand the overall process flow and Source to Target Mappings.
* TOAD is used to test various ETL process flow graphs to meet the Business rules and Technical Requirements.
* Writing SQL Queries to retrieve data from data base.
* Validated MicroStrategy Business Intelligence reports.
* Divided the graphs into various phases and used checkpoints to avoid Dead locks.
* Extensively worked on debugging ETL process graphs.
* Performed manual testing to conduct backend testing using T-SQL Queries.
* Created test plan and test cases from the business requirements to match the project’s initiatives in Quality Center.
* Work with source system personnel on source data delivery issues.
* Interacted with DBA for setting up test environment.
* Assisted in promotion of Informatica code and UNIX Shell scripts from UAT to Production.
* Used DataStage to move data to the warehouse using the stored Procedure thereby enabling faster moment of data.
* Involved in Regression, Functional, Integration, System Testing and User Acceptance Testing.
* Used JIRA for version control and requirement management.
* Worked with Users to develop Test cases for user acceptance testing.
* Maintained the test logs, test reports, test issues, defect tracking using Quality Center.
* Tested SQL queries, T-SQL scripts to validate the data and performance of the database.

**Environment:** Agile,InformaticaPowerCenter,HP ALM, **Teradata V2R6,**JIRA, REST, Oracle, Junit, SOAP UI, SQL/PLSQL, Cognos, UNIX, MicroStrategy, Teradata,

**Safeway, Pleasanton, CA June ‘11– June’ 13**

**Test Engineer**

I worked on multiple projects supporting ETL and Data warehousing effort.

**Responsibilities:**

* Created Test Case documents in MS Excel template from the Test Plan, and the Business Requirements documents.
* Experience in Business Intelligence Data Warehousing, database testing using DataStage for Workflow process.
* Testing ETL sessions and SQL scripts for multiple feeds and multiple LOBS’.
* Exported Manual Test Cases from MS Excel template directly to HPQuality Center and executed 100% of the Test Cases in HP Quality Center with Pass/Fail/Blocked status.
* Performed database integrity check using SQL and Unix Shell Scripts
* Updated QA Manager and Lead weekly with the testing status, which included Test Task Plan, Defect Management, and Test Metrics
* Executed SQL queries to verify the number of records and validated the referential integrity rules as per the design specifications.
* Verified correctness of data after the transformation rules were applied on source data.
* Coordinated execution of User Acceptance Testing, regression and integration testing with multiple departments.
* Involved in Gathering and Analyzing Business Requirements, High Level Designing and Detail Technical Design of ETL application.
* Worked on DataStage Version Control Tool for Migrating jobs from one environment to another environment.
* Used Quality Center to document issues found during the test automation process, suggested appropriate solutions and prioritized defects for resolution in coordination with the development team
* Participated in frequently held Defect Meetings which included Project Management, QA, Development, and Business Line teams and submitted weekly defect and test status updates during the Defect Management meetings
* Performed End to End testing, Functional, Regression, Data Integrity, and User Acceptance Testing including GUI testing
* Executed test cases for data validation, link verification, and content verification.
* Scripts have been written for both Batch mode which will write results to the individual called test and Interactive (non-batch) mode which will write to the main test
* Performed the back end testing by using SQL Queries and verified the data integrity.
* Coordinated with the developers to resolve defects.
* Involved in documentation in order to maintain and run scripts for future enhancements.
* Participate in weekly meeting with the management team and walkthroughs.

**Environment:Agile,** Data Stage,Windows NT/XP/2000,SQL Server 2000,2005, XML, XSLT, XSD,MS Office Suite, SQL

**EDUCATION**

Bachelor’s Degree