**Mahidur Rahman Khan**

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## Experience Summary

* 7+ years of rich experience in IT Industry in Data Warehousing Testing of data warehousing building and managing various data warehouses/data marts using Informatica products: Power Center , Power Exchange ,SQL Server / SSIS, SSRS and SSAS
* Strong knowledge of Software development Life Cycle and Software Testing Life Cycle and highly proficient in Waterfall Agile methodology.
* Expertise in Writing, Executing and Maintaining Test Plans, Test Strategy, Test Procedures, Use Cases, Test cases.
* Expertise in QA methodologies, Test strategy, Software Development Life Cycle (SDLC) and Defect life cycle using Different ALM tools like AP ALM and Jira and Expertise in in **Defect management**, **Bug tracking**, **Bug Reports** and generating the graphs
* Apply test methodology to all project work within SDLC and STLC process methodologies - Agile, Waterfall
* Working knowledge on ICD9/ICD10, EDI transactions, 4010/5010HIPAA versions
* Extensively used ETL methodology for supporting data extraction, transformations and loading, in a corporate-wide-ETL Solution using Informatica, Datastage and Ab Initio and SSIS.
* Involved in Manual and Automated Testing of applications on UNIX and Windows Environment for both Server side and Data warehousing Applications and Mainframe testing.
* Have solid experience on database query tools such as SQL Developer and TOAD SQL and SQL Server Management Studio.
* Used DB2 as source system to pull the data and loaded into SQL Server.
* Experience with WebServices, SoapUI, Rest tools, XML, request and response
* Experience on UNIX commands and Shell Scripting. Involved in testing the batch jobs using UNIX.
* Experienced in Functional testing, Performance testing, Load testing, Integration testing, System Testing, Regression testing, Black Box /Grey Box testing, Stress Testing, UAT, Smoke Testing, etc.
* Strong experience in preparing test environments, documents, executing and analyzing the results.
* Worked with wide variety of data sources like Relational Databases, Flat Files,xml files, EDI files, etc
* Have experience in testing reconcile (initial) and delta (daily) loads.
* Have tested several complex reports generated by different BI toolsincluding dashboards, summary reports, master detailed, drill down and score cards.
* Involved in preparation of Requirement Traceability Matrix (RTM), Defect Reports, and Periodic Status Reports.

**Technical Skills:**

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| ETL Tools | Informatica Power Center 10.x/9.x/8.x, DATASTAGE, Ab Initio, SSIS |
| Testing Tools | Quality Center, ALM 11.0,Load Runner, QTP, Jira |
| Database | Oracle 9i/10g,11g, SQL Server 2008/2012, DB2, MS Access, Teradata 13.0,Netezza, 1010Data |
| BI /Reporting Tools | Cognos, OBIEE, Microstrategy, SSRS/SSAS, Qlik View |
| Job Scheduling Tools | Control M, Autosys |
| Languages | XML, SQL, UNIX Shell Scripting, PL SQL, T-SQL |
| SDLC/STLC | Agile, Scrum, Waterfall, V model. |
| Operating Systems | Windows XP, Window 2003, Windows 2007, Windows 8, Linux in Red Hat and UNIX(AIX). |

## Project Experience

**Dean Health Clinic Madison, WI Feb 2016– June 2018**

**Sr. ETL Tester**

**Responsibilities:**

* Analyzed Business Requirement Document, Software Design Document, Software Requirement Specification and Functional Requirement Document.
* Closely went through and worked on all the stages of SDLC for this project and designed and executed Functional, Integration, Regression and System (End to End), Browser Compatibility, Backend (Database) Testing.
* Created and maintained requirements traceability matrix (RTM) to ensure that all requirements are traceable from top to bottom on the basis of test plan.
* Closely went through and worked on all the stages of SDLC for this project and designed and executed Functional, Integration, Regression, System (End to End) and Backend (Database)
* Prepared Test Scenarios by creating Mock data based on the different test scenarios.
* Validated data from front-end systems to the backend databases.
* Extensively followed agile methodology to achieve the desired results.
* Automated test suite for validating the REST service for various services request and responses (JSON) involved in the application and comparing the results in Portal and mongo DB
* Participated in daily SCRUM meeting and SPRINT planning, review and retrospective meetings.
* Assigned critical performance Defects to the development team using HP ALM Quality Center.
* Weekly meeting with the management team and share the Status Report on the weekly basis.
* Documented the business requirements, developed test plans, test cases created for the database backend testing and to test database functionality.
* Responsible for the testing of an enterprise data warehouse and business intelligence application.
* Backend testing of the Database by writing SQL and PL/SQL scripts to test the integrity of the application, Oracle databases and SQL Server databases.
* Involved in testing of the extracting 5010 HIPAA Outbound Transactions (835, 277) from Mainframe database.
* Automated test cases using Ranorex to elaborate data-driven tests, excluding XML data format, by means of this tool. Created detailed reports with screenshots using Ranorex UI tool.
* Extensively used/Wrote DB2 SQL’s in Data stage DB2 enterprise stage and API stage to extract data by having a database joins between large source tables.
* Wrote SQL queries for each Test case and executed in SQL Developer/ SQL Server Management Studio to validate the data between Enterprise Data Warehouse and Staging Tables.
* Written Complex SQL Queries using different joins, set operators, aggregate and analytical functions.
* Mainframe Based Claims system Testing. Using Cobol, JCL, DB2.
* Extensively written SQL to confirm the data transfer from source to target.
* Tested the PL/SQL package that loaded data into staging area from the source database
* Experienced in writing SQL Statements in database to make sure whether the data is populated in Data Mart/Data warehouse According to Business Rules.
* Responsible for the verification of data completeness, data transformation, data quality and data integrity as per the logical design document
* Performed extensive Data Validation, Data Verification against Data Warehouse
* Developed ETL test cases for various lines of businesses based on ETL mapping document.
* Validated ETL test data for all transformation rules and covered all the scenarios required for implementing business logic.
* Implemented custom PL/SQL packages for DBA related jobs such as purging custom tables, loading data into custom tables etc.
* Tested the ETL process for both before and after data cleansing process.
* Extensively used ETL methodology for testing and supporting data extraction, transformations and loading processing in a corporate-wide-ETL Solution using Informatica and SSIS.
* Ran batch jobs in a box using AUTOSYS
* Experienced in using Unix Shell Scripting.
* Involved in testing HIPAA EDI Transactions and mainly focused Enrollment, Eligibility Transactions
* Hands on experience in handling EDI 837, 834, 835 files from the Clients and clean up the data based on the requirements
* Validated EDI Claim Process according to HIPAA compliance
* Verified and validated HIPAA compliant X12 format for both inbound and out bound healthcare EDI transactions as per ICD9/ICD10
* Tested the Membership and claims files as per the HIPAA compliance.
* Work closely with EDI to ensure accuracy in data transmissions and shared processes.
* Proficient in validating the transformation and edits on claims as required.
* Created Various Hierarchies which allows drilling on Cognos.
* Tested Public objects like Consolidations, Custom Groups, Metrics, Prompts, and Filters according to the report requirements using Cognos.

**Environment:**HP ALM11.0, Informatica Power Center, Jira, SSIS, HIPAA, Ranorex, Mainframe, SQL Server 2012, SQL Server Management Studio, MS Access, Windows 2007/2008, PL/SQL , DB2, Agile, Oracle 11g, ODI, UAT, Autosys jobs, Qlick View, Cognos, Unix

**Intermountain Healthcare, Salt Lake City, UT Apr 2014 – Jan 2016**

**ETL Tester**

**Responsibilities:**

* Developed Plan Test Strategy document based on project requirements
* Developed Test Plan based on the Functional Specification Requirements for the Project and Releases, Written Test Scenarios and Test Cases based on the Functional and Business requirements for the Project and Releases
* Review Test Scenarios and Test Cases in sprint planning meeting with scrum team and participated in daily scum meeting, Sprint retrospective and Sprint review meetingwith Developers, product owner , Scrum master, and Project Manager/Release Manager
* Developed and executed test cases in HP ALM
* Data Loads from Source to target through ETL Tool Informatica, and Autosys scheduler tool.
* Data Validations includes File Validations, Table Validations, DDL Validations in Database and Unix
* Carried out Test Execution in different cycles of Integration, System, Sanity
* Tested the ETL process for both before data validation and after data validation process. Tested the messages published by ETL tool and data loaded into various databases
* Worked with different data sources like DB2, Oracle and Access.
* Strong in writing complex SQL queries to profile and analyze the data.
* Used SQL queries & Join operations to Test database tables.
* Executed the developed Test Cases and Test Plans and also coordinate with the development team to run the workflows if needed and write the SQL scripts to test the test cases.
* Involved in ETL Mapping Design and Performance tuning to Load mapping process and Capturing results
* Analyzed the wait time with response to request for mainframe application.
* Preparation and Execution of Test Plans, Test Cases for the mappings developed through the ETL Informatica tool in the QA environment
* Performed Analysis to check if EDI Type trees for transaction sets 834, 837, 835 are HIPAA Complaint.
* Developed 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.
* Participated in offshore calls on daily development activities and coordinate with the developers and QA in there day to day testing efforts.
* Performed Smoke/Shakeout testing, Functional testing, User Acceptance testing, and Regression testing for every Release
* Working on EDI transactions (810, 820,850,856,870) for Inbound and Outbound IDOC’s interface for Integration and system testing.
* Identified defects during testing and open the defect or problem log in ALM and assigned to the associated person
* Created UAT test plan documents, strategy, test cases, executed UAT test scripts, and created test reports using ALM.
* Execute Automation scripts for regression testing.
* Used ALM to raise the defects and to manage defect management process.
* Written SQL scripts for performing data validations as well as for inserting test data into the tables.
* Tested the entire compliance reports generated using Cognos BI tool by validating the data in the report against the database according to the requirement specifications using SQL scripts.
* Written complex SQL queries using Case Logic, Intersect, Minus, Sub Queries, Inline Views, and Union in Oracle.
* Performed end to end testing by coordinating with various teams to make sure that the data flow was smooth starting from the source to the ultimate target.
* Tracked all the defects to closure by interacting with the development team.
* Conducted and co-ordinated with integration testing and regression testing.
* Manage the testing process, schedule batch tests, log and track defects using Quality Center.
* Used **HP ALM Quality Center** as test management tool to manage and organize Requirements Coverage, Test Cases, Test Scripts and Defect Management.
* Worked with the Development team to understand the source to target mapping document and accordingly helped them
* Validated the production tickets assigned and once confirming the defect assigned it to the developer for fix.

**Environment:** Informatica Power Center 8.6/9, ODI, Oracle 10g/11g,Unix, Mainframe, QTP, HP Quality Center 10/ 11 Agile/Scrum, Rally, SQL, PL/SQL, Cognos, DB2, Flat Files, Teradata 13.0, , UNIX

**United Health Group, Rocky Hill, CT Aug 2012 – Mar 2014**

**Quality Assurance Analyst/ ETL Tester**

**Responsibilities:**

* Developed ETL Test Plans, Test Strategies and Test Cases.
* Coordinated with Business Users to understand business needs and implement the same into a functional Data warehouse design.
* Interacting with the users and troubleshooting the problems involved with the development of stored Procedures, triggers and problems related to the privileges.
* Used Informatica Workflow Manager to run the workflows/mappings and monitored the session logs in Informatica Workflow Monitor.
* Extensive testing on the Performance of the Stored Procedures in PL/SQL.
* Developed UNIX shell scripts to format the session log files and to extract the information from error logs.
* Used Datastage director for running the Datastage jobs and validated them.
* Involved in testing ETL and PL/SQL batches scheduled by using Autosys
* Tested UI Screens and Reports for cosmetic and data requirements.
* Involved in Usability Testing and coordinating with end users for giving Training on Web Based application.
* Defined and implemented verification and validation processes across the project and manage QA and regression testing environments.
* Tested the web pages, user login pages according to the user security roles and requirements.
* Worked with business team to test thereports developed in Cognos.
* Ensured developers coordinated their efforts in managing and maintaining different application databases
* Tested OLAP cubes to verify and validate the functionality of the reports.
* Used Informatica Workflow Manager for session management, database connection management and scheduling of jobs. Created and Executed Automated Test Scripts.
* Monitored the performance of the reports.

**Environment:** Informatica Power Center, Ab Initio, Cognos, Oracle 9i, DB2, PL/SQL, Autosys, SQL\*Plus, Quality center, Rational Clear Quest, UNIX, Shell Scripting, Windows XP

**Universal American, Brookefield, WI Mar 2010-July 2012**

**ETL /QA Tester**

**Description:** Universal American is a Fortune 1000 company, offices throughout the United States and Headquarters in Rye Brook, New York. This company offers health insurance and also deals in Medicare managed care plans and Medicare prescription drug benefits. UA corp has targeted the senior market in particular because it is the fasted growing segment in the country. UAC contracts with the federal government to offer Medicare advantages with prescription drug plans.

**Project:** I was involved in a project to develop a web based claim system which converts claims through internet to EDI format to be in compliance with the regulations mandated by Federal Government.

**Responsibilities:**

* Worked on projects that require in depth knowledge across multiple technical area and business segments.
* Analyzed Business requirements & Design Specification Document to determine the functionality of the ETL Processes.
* Provided high level and detailed QA testing resource estimates to the QA manager and Project Manager in timely manner.
* Worked on translation of Business requirements and technical design into comprehensive test plans and test cases assuring maximum requirements coverage.
* Executed test plans and test cases and logs defects into QC in accordance with the QA standards.
* Monitored and retested the defects that have been corrected by Developments.
* Performed extensive Backend Testing by developing, modifying and executing SQL queries for data validation and data verification on database.
* Performed Smoke, functional, Regression, Performance and UAT Testing.
* Provided technical guidance to QA test team to ensure test activities are performed.
* Mentored and lead the QA team members in the review of requirements, technical designs, test cases and defect tracking.
* Worked closely with software architects, developers and business leaders throughout the SDLC and automate software performance test cases and test scripts.
* Responsible for the overall success of performance testing and manages assigned projects from performance testing through final User Acceptance Testing.
* Participated in user requirement gathering, product design and testability of products.
* Performed identification, documentation and tracked software discrepancies between expected and actual test results and assist developer in problem resolution.

**Environment: ETL** Informatica 8.6.1, Quality Centre 11, JIRA, Rational Clear Quest, MS Share Point, MS Office, SQL, SQL Server 2008, SSIS