**SUMAN DAHAL**

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**Professional summary:**

* More than 6 years of experience in IT field as an ETL tester.
* Expertise in various kinds of testing like Manual and Automation mainly focused on Business Intelligence Reporting Tools (SAP BO, Cognos and Qlikview) Enterprise Data Warehousing (EDW), Databases, Data Mart, Web services and Client-Server applications.
* Have good command in creating Test Plan documents and developing test strategy documents and preparing the Traceability Matrices.
* Strong working experience in the Data Centric Testing, Data Analysis, Design and Development
* Experience in creating ETL test data for ETL mapping rules to the test functionality of Informatica mappings.
* Expertise in database query tools such as SQL developer, Microsoft SQL server, MYSQL server, SQL plus, TOAD, PL/SQL.
* Experienced in programming Database Objects like Tables, Stored Procedures, Views, Rules, Defaults, user defined data types and functions using SQL Server and DB2.
* Experience on UNIX commands and Shell Scripting. Involved in testing the batch jobs using UNIX.
* Experience with automated testing tools QTP (Quick Test Professional) and Quality Center.
* Strong knowledge of Software Testing Life Cycle (STLC) and QA Testing Methodologies.
* Expertise in designing Test Plans, Test Cases, Text Scripts and Test Procedures.
* Expertise in all phases of end-to-end Testing which includes Smoke Testing, Functionality Testing, Regression, UI, GUI Testing, boundary testing, negative testing, System Testing, White Box Testing, Black Box Testing, and Batch Testing of the Application using QTP.
* Performed efficient and accurate work under deadlines and ability to work in groups as well as independently and initiative to learn new technologies and tools quickly.
* Excellent skills in dealing with end users and developers to discuss the user requirements and functional specifications.

**Technical skills**

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| ETL Tools | Informatica Power Center 9.x/8.x, Datastage, SSIS |
| Testing Tools | Quality Center, ALM 11.0, QTP, Load Runner, Jira |
| Database | Oracle 9i/10g,11g, SQL Server 2008/2012, DB2, MS Access, Teradata 13.0,Netezza,TOAD |
| BI /Reporting Tools | Cognos, OBIEE, Microstrategy, SSRS/SSAS, Qlik View, SAP Business Objects. |
| 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, UNIX. |

**Professional experience**

**Intermountain Healthcare, Salt Lake City, UT Mar 2017- June 2018**

**ETL tester**

**Description:** Intermountain Healthcare is the largest healthcare provider in the Intermountain West. It is not-for-profit healthcare system which provides hospital and other medical services in Utah and Idaho and also offers integrated managed care.

**Project:**- I was involved in a project to identify and assess the risk associated with the privacy issues of patient information and its protection plan based on HIPPA 5010 guidelines.

**Responsibilities**

* Augmented Plan Test Strategy document based on requirements demanded by project.
* 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 scrum meeting, Sprint retrospective and Sprint review meeting with Developers, product owner , Scrum master, and Project Manager/Release Manager
* Developed and executed test cases in HP ALM.
* Data Loaded 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
* 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
* Preparation and Execution of Test Plans, Test Cases for the mappings developed through the ETL Informatica tool in the QA environment.
* 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.
* 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 several Cognos Reports of different types including Dashboards, Drill-Down, Master-Detailed, Aggregated, Grouped List, Cascade and Web Reports.
* Tested the compliance reports generated using SAP Business Objects 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 coordinated 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.

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

**Universal American, Brookefield, WI Jan 2015-Feb 2017**

**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.
* Tested and validated the Cognos reports on target databases for conformance to specifications
* 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

**MVP Health Care, Rochester, NY Apr 2013-Oct 2014**

**ETL Tester**

**Description:** The project is to build the Data Marts based on subject areas which is used for report generation to analyze and to take decisions about the their products, eligibility, providers, billing, accounting and claims .This project involved extracting data from Heterogeneous Data sources like Sybase and Flat Files, transforming the data and then loading the data into the target Data Mart for Warehouse operations.

**Responsibilities:**

* Involved in requirement analysis, ETL design and development for extracting data from source systems: Oracle, flat files, XML files and data mart loading.
* Worked with analysts and data source systems experts to map requirements to ETL code.
* Created packages in SSIS Designer using Control Flow and Data Flow Transformations to implement business rules.
* Developed mapping logic using transformations: Expression, Lookups (Connected, Unconnected), Joiner, Filter, Sorter, Router, Update strategy & Sequence generator.
* Used different transformations: Address validation router, Filter, Lookup, Joiner, Aggregator, Normalizer, Rank, Update strategy in IDQ; exported to Power Center as a Mapplets and used in the mapping.
* Worked extensively with the Teradata Queryman to interface with the Teradata.
* Used IDQ for data cleansing, tuning & profiling; implemented reports, dashboards to display DQ results.
* Used Oracle Developers to validate the Cognos Power Play cubes by running similar SQL queries against the source system(s)
* Informatica Data Quality helps make data quality improvement and standardizing on a single platform that provides a centralized set of reusable rules and tools for managing data quality across any project
* Migrated code from Sagent to Informatica power centre and tested of all objects developed and check their consistency end to end on the new environment.
* To develop Exception handling process for each SSIS packages.
* Translated functional specifications into technical specifications (design of mapping documents).
* Implemented Type-1 SCD and Type-2 SCD mappings to update slowly changing dimension tables.
* Created mapping using multiple source systems: Oracle, flat files, and XML files into data mart in Oracle database.
* Used load scripts to load tables in SQL
* Used Teradata Utilities (FastLoad, MultiLoad, FastExport). Queried the Target database using Teradata SQL and BTEQ for validation.
* Responsible for design and implementation for loading ODS and updating warehouse.
* Created utility scripts to manage and scrub incoming source files, to move files between directories, report and trend file metadata and frequency.
* Wrote execution report scripts to broadcast e-mails to respective people on failure/success, error handling, and control /audit critical processes.
* Error handled session & workflow logs in dev & test environments.
* Performance tuned existing & new mappings.
* Developed SSIS Packages and SQL scripts to extract the data from OLTP system to flat files and for pre-calculated aggregates, summaries, and user specific calculations.
* Written SQL scripts to avoid Informatica joiners and look-ups to improve performance of data volume.
* Used Control-M to schedule jobs for maintaining database objects & Unix scripts
* Created deployment groups to deploy objects to migrate code to higher environments.
* Tested Cognos reports by writing complex SQL queries.

**Environment:** Teradata, Informatica Power Center, Oracle 10g,Cognos ,SQL Server SSIS, SSRS,SSAS TOAD, Perl scripts, Rational Clear case, Control-M, MS Visio, ALM, Mainframes, UNIX,

**Jackson National Life Insurance Lansing, MI Apr 2012-Feb 2013**

**ETL QA Engineer/Tester**

**Description:** JNL Insurance is a conglomerate of the General & Life Insurance which is operated globally across 180 countries. It offers a varies of insurance and investment products for individuals and businesses with its products ranging from annuity, unity link insurance, life Insurance, health insurance Team Plan, Group Insurance for company.

**Project:** A web enabled application which successfully manages member agent/broker relationships throughout their entire life cycle and across all touch points. It allows prayers to migrate statements such as premier due reminder, premier receipt, invested fund value, policy document and Broker Commissions Statements from paper to the internet.

**Responsibilities:**

* Coordinated testing throughout both systems ODS and EDW which were two different teams
* Experienced in understanding Data stage jobs for dimensions and facts.
* Used Agile Test methods to provide rapid feedback to the developers.
* Developed data quality test plans and manually executed ETL and BI test cases.
* Designed and kept track of Requirement Traceability Matrix.
* Various work performed such as Quality center updates, Test Cases loading, writing Test Plan, executing Test cases and printing status report for the team meetings.
* Involved in Integrating and Functional System Testing for the entire Data Warehousing Application. Tested several OBIEE reports for data quality.
* Used advanced SQL skills to perform data quality analysis.
* Worked on Quality Center for defect tracking.
* Experienced working in Black Box testing like Functional testing, Smoke testing, Sanity testing and Regression testing.
* Involved in writing Detailed Level documentation for reports and Universal testing.
* Tested Data Warehouse by checking ETL procedures/mappings.
* Worked on test data and completed unit testing to check all business rules and requirements are met. Also tested for negative data to check that the job fails on any critical error.
* Tested several data migration application for security, data protection and data corruption during transfer.

**Environment:** Data Stage 8.5, Oracle 11g, Quality Center, Teradata 13, UNIX and Control-M.