

RANJIT SINGH

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Cell: (714)-600-5451

Professional Summary:

- Over **7 years** of IT experience, working as **ETL tester** on various Data Warehouse Environments in multiple domains.
- Mapping documents to test cases such as business requirements, functional specifications, test strategies, and test plans
- Expertise in understanding **Business Requirements**, Functional Requirements, decomposing into HLD's and ETL Specifications into Test Cases for positive and negative test conditions.
- Extensive experience in **ETL** process consisting of data transformation, sourcing, mapping, conversion and loading in various steps involved in data extraction, cleansing, profiling, applying transformations as per BRDs, validating and loading.
- Mapping documents to test cases such as business requirements, functional specifications, test strategies, and test plans
- Experienced in performing the Back-End testing to **verify and validate data** consistency by writing and executing **Oracle PL/SQL** queries on the database.
- Profound background in Database projects and applications working with Oracle and writing SQL statements.
- Extensive experience in creating **Test Plans, Test Cases** and generating Test Scripts.
- Have academic exposure to software development life cycle like Feasibility, Design, Coding, Testing, Implementation and Maintenance in **Agile** and Waterfall methodologies.
- Application Data warehousing experience in Financial, Healthcare and Insurance.
- Experienced in running SQL queries using **MS SSMS** and **Oracle SQL Developer**.
- Experience in Performance Tuning of SQL and T-SQL view creation, stored procedures.
- Passionate worker to contribute individually and as part of a team.
- Ability to learn modern technologies quickly with good analytical and problem-solving skills.
- Excellent communication, analytical and presentation skills. Successful in meeting deadlines and handle pressure coordinating multiple tasks.

Technical Skill Summary:

Testing Tools	HP Quality Center
Integration Tools	Informatica 9.6, SSIS,
Reporting Tools	Tableau, Power-BI
Defect Reporting Tools	Quality Center, Jira
Languages	VB Script, SQL, Python
Databases	Oracle 9i/10g, MS SQL Server, PostgreSQL, SQL+

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Web Technologies	HTML, XML
Operating Systems	UNIX, Windows
Others	Query Surge, Beyond Compare, MS-Visio, Toad for Oracle

Work Experience

ETL Tester

Client: Equifax, Atlanta, GA

Duration: April 2019 – June 2020

Role: ETL Tester

Responsibilities:

- Responsible for testing and reviewing of ETL mapping and transformation specifications based on the business requirements from various teams and the business teams.
- Testing of ETL jobs that are scheduled for file transfers from Operational Data Stores to designated file systems/directories.
- Performed Manual Functional Testing and Automated Testing using Selenium, of the application against new builds.
- Reviewed the Business Requirement Document to understand the process and write Test Plan and Test Cases.
- Involved in Relational modeling and Dimensional Modeling Techniques to design ER data models and Star Schema designs.
- Documented the validation rules, error handling and test strategy of the mapping.
- Tuned the complex SQL queries for better performance by eliminating various performance bottlenecks.
- Tested the ETL Informatica mappings and other ETL Processes (Data Warehouse Testing).
- Performed data validation testing after the ETL process using Informatica. Tested several Informatica Mappings to validate the business conditions. Testing the source and target databases for conformance to specifications.
- Tracked the defects using HP ALM tool and generated defect summary reports.
- Testing ETL data feeds from various data sources to ware house.
- Compared the actual result with the expected results. Validated the data by **except querying**
- Tested complex mappings using mapplets and reusable transformations.
- Established and documented ETL QA standards, procedures and QA methodologies.
- Verify development of rule-set test scenarios, test cases, expected results and analysis of XML test scripts.
- Used Informatica power center for extraction, transformation and loading process.
- Tested several ETL Mappings developed using Informatica.
- Involved in testing data reports. Written several SQL queries for validating the front-end data with backend.
- Conducted test case reviews to ensure scenarios accurately capture business functionality.
- Worked with ETL Source System and Target System (ETL Mapping Document) for writing

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- test cases and test scripts.
- Written several SQL statements to confirm successful data transfers between source and target.
- Executed SQL queries to perform backend database testing and verify/modify user data
- Tested several UNIX shell scripting for File validation and also PL/SQL programming.

Environment: Informatica Power Center, Selenium, SOAP, Oracle, SQL Server, SQL, PL/SQL, SQL*Plus, TOAD, Shell Scripting, Windows.

ETL Tester

Client: AQR, Greenwich, CT

Duration: Mar 2017 – Mar 2019

Role: ETL Tester

Responsibilities:

- Collaborated with all stakeholders in the quality assurance and development process in Agile environment.
- Developed, designed, reviewed and executed Test Cases based on the Business Rules and Mapping Documents.
- Responsible for Testing of ETL processes, Data cleanliness, Data completeness testing, Data transformation, Data validation, and Data Incremental testing.
- Created test case scenarios, executed test cases and maintained defects in internal bug tracking systems.
- Developed and executed various manual testing scenarios and exceptionally documented the process to perform functional testing of the application.
- Coordinated between offshore and onsite team and managed multiple OLAP and ETL projects for various testing needs.
- Extensively used Informatica for extraction, transformation and loading process.
- Delivered file in various file formatting system (ex. Excel file, Tab delimited text, Coma separated text, Pipe delimited text etc.).
- Wrote store procedures, functions, database triggers and UNIX shell scripts to support and Automate the ETL process.
- Created and executed test cases based on test strategy and test plans based on ETL Mapping document.
- Monitoring ETL jobs in Informatica which involved analyzing the issues and providing corrective actions.
- Involved in writing complex SQL queries to verify data from Source to Target.
- Regularly interacted with developers to discuss various problems and issues and follow up with developer till defect closure.
- Performed system Integration testing of different modules of the application.
- Involved in peer review of test cases.
- Highly responsive to client needs and changing software requirements.

Environment: Windows 2000 / NT, UNIX, Oracle 8i, Java, HTML, JavaScript, MS Office, MS Visio, Project, Quality Center, ETL, Data Warehousing, Rally, Agile

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Software Test Engineer

S Infotech Services, Hyderabad (India)

Duration: Mar 2014 – Feb 2017

Role: Backend Tester

Responsibilities:

- Flexible, resourceful, and self-motivated and can work as a team and independently.
- Worked with cross-functional teams to manage defects, compile test results and communicate issues, risks and status on a timely basis to ensure solution meets the business requirements.
- Involved in the Informatica up-gradation testing to make sure that the existing, updated and new workflows are working as expected when migrated to Informatica from Informatica 8.6. Created and documented the test plan for the same.
- Involved in Functional testing, business requirement testing, data requirement testing, regression testing, system integration testing, data validation, and non-functional testing.
- Analyzed the EDW mapping documents, Dimension tables and fact tables.
- Wrote SQL queries to do the column level verification of the Dimension and Fact tables.
- Involved in testing the data warehouse for both the initial load and the incremental loads of the target.
- Extensively used SQL statements to query the Oracle Database for Data Validation and Data Integrity.

Environment: Quality center Oracle, TOAD, SQL Developer, UNIX, Windows XP, MS SQL Server 2012, JIRA, ETL.

Software QA Engineer

Meta Soft IT Technologies, New Delhi (India)

Duration: Mar 2013 – Feb 2014

Role: Software Tester

Responsibilities:

Meta Soft provides end-to-end software services from out-of-the-box solutions to custom built applications to back office support. With onshore and offshore facilities, it provides time critical onsite services and low-cost alternative solutions matching the client needs. It specializes in development of web based and intranet-net applications and solutions. These applications are primarily used in the services industry.

Had the following responsibilities as Software QA Tester

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- Worked with the clients to understand the requirements and develop the test plan
- Reviewed the test cases to see that they match the requirements and add any as needed
- Performed Functional testing, Automation testing, Regression Testing, End to End testing, Cross browser testing
- Involved in the setup of the test environment
- Develop and execute the test suites, perform validation of the test processes using rational and other tools
- Developed automation scripts in Silk, PERL where required to test both front end application and back-end databases and SQL queries for validation of data.
- Coordinated with the team of developers both in US and outside to see that the requirements and their updates are met.
- Additionally, worked with the clients to facilitate the smooth deployment of products
- Perform Production testing, release testing
- Provide post-deployment support to the products and kept it adaptable to the changing client needs

Education

Post Graduate Program in Data Science

Perdue University, Indiana

Currently Pursuing – Expected Completion May, 2021

Bachelor's in Software Engineering

Maharishi Dayanand University (MDU, Rohtak)

Career Institute of Technology - Faridabad, Haryana

August 1999 to May 2003

Reference(s)

Available upon request