**Raja Bharath**

**Technical Lead**

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**SUMMARY:**

* Having 8+ years of experience in **ETL Testing** and worked in E-commerce projects.
* Strong working knowledge on **Bigdata Testing (Hadoop, Hive, Sqoop, Spark SQL, HDFS, Google Big Query, Azure Databricks, Kafka, Azure Data factory),** Data Warehouse testing, Database Testing and UNIX.
* Strong knowledge of various SDLCs.
* Expert contributor to all phases of Software Development Life Cycle (SDLC) including Requirement Gathering & Analysis, Test Planning & Execution and Deployment.
* Experience leading QA activities establish & maintain a consistent test methodology & performing supervision to avoid any impairment to the planned test strategy.
* Extensive experience in developing and maintaining project relevant deliverables including Test Plan, Test Cases/Scripts, Test Summary and Test Incident Reports etc.
* Extensive experience performing Functional, Data Validation, System, Regression and User Acceptance Testing.
* Experience communicating with Technical and Business stakeholders regarding the testing approach, testing status and any other subject needing attention for effective and proficient resolution.
* Expertise in supervising the complete testing effort in Software Quality Management tools i.e., JIRA, MINGLE, SKAVA JIRA.
* Hands-on experience working in Windows & exposure to UNIX/LINUX environments.
* Well-versed in ETL processes, performance-based systems, and ETL process flow and standards.
* Created ETL test data for all ETL mapping rules to test the functionality of the Data stage jobs.
* Sound knowledge and experience in Metadata and Star schema/Snowflake schema. Analyzed Source systems, Staging area, Fact and Dimension tables in Target D/W.
* Experience in creating Requirement Traceability Matrix (RTM) documents.
* Expertise in querying and testing RDBMS such as Oracle, DB2, Teradata using SQL for data integrity.
* Have working knowledge on Hadoop components HDFS and Hive.
* Good working experience in agile environment (Version one tool).
* Excellent written and verbal communication skills, ability to communicate across a diverse range of internal and external contacts.
* Aptitude to effectively adapt to rapidly changing technologies and methodologies and apply them to technological and/or business needs.
* Ability to solve complex technical problems and assimilate information rapidly.
* Ability to work under time constraints and strong problem-solving skills.

**Academic Qualification:**

Masters in Nanotechnology -**MTech (Nanotechnology)** from J.N.T.U. Hyderabad

Graduation in Electronics and Communication Engineering - **BTech (ECE)** From J.N.T.U. Hyderabad

**Technical Skills:**

|  |  |
| --- | --- |
| Data Warehousing | Concepts & Methodology |
| ETL Tools | Data Stage 11.3/8.5/8.1/7.5 |
| Data Bases | Oracle, SQL Server, Db2 and Teradata |
| Operating System | Windows, NT and UNIX. |
| Languages | SQL and PL/SQL, Shell scripting |
| SSH Client | PUTTY, WinSCP, OpenSSH |
| Bigdata Components | Hadoop, Sqoop, Hive, HDFS, Spark, Shell script, Big query, Spark SQL |
| Cloud technology | Azure Cloud, Google cloud platform (GCP) |

**Work Profile:**

* Working as Senior Software Engineer in “GSPANN Technologies”, Hyderabad from June 2012 to till Date.

**Project Summary:**

**Project** #1

**Project : Azure Hindsight Migration**

**Role :** QA Lead

**Duration :** June 2017 to till date

**Technologies :** Azure, Data Factory, Data Lake Store, Data Lake Analytics, Event/Hub, Cassandra, HDInsight’s, PowerShell, Spark, Kafka, Pig, Hive, Sqoop, Scala, Shell Script , Scala, Jira, SQL.

**Project Description:**

Macys is about the Customers who are based out of NA region. The front-end application was built on Java and it is used by all customers to create the reports and process it. Each Report created newly, will load the data into Azure environment from Source Environment on Incremental basis.

**Responsibilities**:

* Handling client discussions to understand business requirements
* Running the Spark scripts for loading the data to Target tables.
* Validate the data loaded in Target as per the business requirements by using Hive queries.
* Preparing the Test data as per Business requirements and Business Rules given by client.
* Performed Regression, Functional, Integration and Performance Testing.
* Designing and Developing Effective Test Cases.
* Maintain and Execute test scripts at the time of regression testing.
* Involved in logging the Defects, Defect Reporting and Tracking.
* Testing of the system at various stages in the development phase.
* Preparing the Deliverables such as Daily status Reports & Weekly Status Reports.

**Project** #2

**Project : RTO**

**Role :** QA Lead

**Duration :** Oct 2015 to June 2017

**Technologies :** Data stage (11.3), Db2, Oracle, Version1

**Project Description:**

**RTO Overview.**

The key goal of the RTO effort is to replace separate and disparate systems by channel with a single enterprise Omni channel Campaign, Optimization and Real Time Offer/Message solution to:-Enable a new platform for delivering targeted, relevant, and personalized marketing campaigns and offers/messages to customers.-Support a shift in Marketing from the traditional event/calendar-driven paradigm towards a customer-centric, relationship-driven approach to communicate with our customers in a contextually relevant dialogue across Omni channel marketing vehicles.

-Grow our business by better understanding our customers and, as a result, creating more personalized customer experiences

-To achieve the above goals Macy’s/Bloomingdales (M/BL) will utilize the SAS Campaign Management/Campaign Optimization (MA/MO) product that will integrate with existing execution/delivery systems and a newly created DataMart.

**Responsibilities:**

* Extensively interacted with developers, business& management teams to understand the project business requirements and ETL design document specifications.
* Thorough out the project in various iterations/Sprints – conducted system testing, integration testing, functional testing and integration testing.
* Prepared the Test Plan and Testing Strategies for Data Warehousing Application.
* **Designing Test cases to cover all the transformations and business rules.**
* **Developed complex SQL queries for querying data against different data bases for data verification process.**
* **Involved in ETL process testing using Datastage ETL tool.**
* Participated in regular project status meetings and QA status meetings.
* **Extracted data from various sources like Oracle, flat files and DB2 server.**
* **Doing count and data validation after completion of job runs.**
* **Verifying success and failure logs both in Data Stage Director and Unix.**
* **Defects identified in testing environment are communicated to the developers using Version one– Defects module.**
* **Prepared daily status reports with details of executed, passed, and failed test cases and defect status.**
* **Sending Daily Status to Onshore Co-coordinator and business team.**

**Project** #3

**Project : BCOM Pre-Order**

**Role :** QA Lead

**Duration :** Aug 2015 to Oct 2015

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**BCOM Pre-Order Overview.**

This Project is about adding new feature Pre-Order for BCOM in Mobile-Web (MEW 2.0, MEW1.0) and Website. The goal of this project is to allow customers to purchase items that have never been carried online or in-stores before they become in stock.

**Responsibilities:**

* Analyzing the Requirements, Mapping documents to understand the logical flow of the application and identifying high level test scenarios.
* Designing test cases to cover all the transformation and business rules.
* Preparing SQL scripts for the test cases and participating in peer reviews.
* **Involved in ETL process testing using Datastage ETL tool.**
* Prepared potential test data to test all the transformation and business rules.
* Executing the test cases and performing root cause analysis for the observed discrepancies.
* Involved in fields mapping validation, Functional, Regression, and End to End (E2E) testing.
* Involved in data validations, source to target mapping, transformation rules validations.
* Preparing Daily Status Report (DSR) and sharing with the stakeholders.

**Project** #4

**Project : MMoney-BMoney**

**Role :** QA Lead

**Duration :** June 2015 to Aug 2015

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**Macys Money and Bloomingdales Money Rewards Program.**

Macy’s and Bloomingdale’s Corporate Marketing have developed a marketing strategy called Macy’s Money / b-money that was designed to increase sales during slower sales periods of the year. Customers who met a designated spending threshold in a single transaction received an ERC that could be redeemed after the end of the earn portion of the event to drive traffic back into the store. Since the initial functionality for these promotion events was limited to in-store purchases, the first phase of this this project will expand the shop and earn functionality to online purchases that will provide a better customer experience.

**Responsibilities:**

* **Developed high level test matrix based on business requirements, functional and technical specifications, and development standards for assigned projects/applications.**
* **Developed test cases based on test matrix including test data preparation for Data Completeness, Data Transformations, Data quality, Performance and scalability.**
* **Developed SQL queries /scripts to validate the data such as checking duplicates, null values, truncated values and ensuring correct data aggregations.**
* **Performed data quality analysis using advanced SQL skills.**
* **Extensive SQL querying on Staging, Data warehouse and DataMart’s.**
* **Involved in ETL process testing using Datastage ETL tool.**
* **Ensured Error logs and audit tables are generated and populated properly.**
* **Performed UAT and Regression Testing.**
* **Involved in Troubleshooting, resolving and escalating data related issues and validating data to improve data quality.**
* **Tracking and reporting the issues to project team and management during test cycles.**
* **Updating and maintaining existing test Matrix and test cases based on code changes and enhancements to assigned applications.**
* **Contribute in the development of knowledge transfer documentation.**

**Project** #5

**Project : Color way pricing**

**Role :** QA Lead

**Duration :** March 2015 to June 2015

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**Color way pricing;**

This project enables site merch to assign different prices to different colors of a product instead of assigning a single price across all upc’s of a product. To display differential pricing across UPCs of a product on Browse, Search and PDP. To help business consolidate individual products into one. Provide improved UX to users by providing different prices for a product and thus help in conversion

**Responsibilities:**

* Responsible for creating complete test cases, test plans, test data, and reporting status ensuring accurate coverage of requirements and business processes.
* Analyzing requirements and creating and executing test cases.
* Involved in ETL process testing using Datastage ETL tool.
* Performed Integration, End-to-End, system testing.
* Involving in Functional Testing & Regression Testing.
* Involving in writing SQL queries and Database Checkpoints to verify data quality and calculations, reviews.
* Performed data validation testing writing SQL queries.
* Preparing documentation for some of the recurring defects and resolutions and business comments for those defects.
* Developing Test Matrix to give a better view of testing effort.

**Project** #6

**Project : Eagle-International Product Feed**

**Role :** QA Lead

**Duration :** June 2015 to Aug 2015

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**Eagle;**

This project is about receiving data from MST, enrich it within IDM and send to new partner in Hong Kong.

**Responsibilities:**

* **Work closely with business users to gather requirements, define project specifications, develop implementation and test plans for the projects & enhancements.**
* **Designed, created and tested reports to meet business requirements.**
* **Involved in ETL process testing using Datastage ETL tool.**
* **Worked with ETL group for understating mappings for dimensions and facts.**
* **Documented and maintained RTM to ensure that all requirements are traceable from top to bottom and to provide a basis for test plan.**
* **Performed Data Analysis, writing SQL Queries for Testing and Troubleshooting against Data Warehouse.**
* **Maintained documentation related to difficulties, complexities and anomalies that may arise during the ETL process.**
* **Ability to analyze root cause of a problem and demonstrate good sense when handing the problem over to development.**

**Project** #7

**Project : Black Belt**

**Role :** QA Engineer

**Duration :** March 2015 to Jun 2015

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**Black Belt;**

This Black belt project is migration project which replaces the current source system from files to materialized views and Improving Current ETL out framework the way IDM & WDS interacting with CSS. Current Process - CSS sending the files (csv & tab files) to WDS and IDM respectively and WDS consumes these Files through data stage jobs and loaded the data into respective Target tables. New Process - CSS exporting the data and letting the consumer (IDM & WDS) extract and transform whatever they need. Means in New process we will extract the data from materialized views instead of csv files and load into the target tables. From push framework to pull framework and we eliminate the "validation" steps that existed on CSS side. The data loaded in Black belt project Target tables should match with Legacy system Target tables data.

**Responsibilities:**

* **Wrote Test Plans, which detailed the testing scope, testing requirements, success criteria, milestones, and necessary resources.**
* **Manually performed Ad-Hoc testing, end-to-end testing, and system testing.**
* **Performed manual testing by entering positive values, negative values, and boundary values to the application.**
* **Performed Black box, Integration, Regression and System Testing.**
* Created, maintained and updated regression suites upon receiving new build.
* Performed data validation testing writing SQL queries. Tested ETL batch processes using UNIX shell scripting.
* Involved in writing SQL statements to create test data for test cases and data validation tests to extract data from the tables.
* Compared SQL results with application results by writing SQL queries.

**Project** #8

**Project : CDS-Fast Track**

**Role :** QA Engineer

**Duration :** March 2013 to March 2015

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**CDS-Fast track;**

e-commerce Data Services(CDS) is responsible for sourcing data from heterogeneous internal and external systems, transforms, aggregates, augments, stores data in the DataMart for internal consumption and also syndicates the data to heterogeneous internal and external systems. IDM is the data hub as well as data integration layer in macys.com.

**Responsibilities:**

* Involved in designing the Test Cases using Functional Specifications.
* Conducted extensive manual Black Box testing to better understand the functionality of the Application.
* Designed, Created and executed manual Test Cases.
* Test Environment Setup and Performed the Functional and Regression Testing.
* Detecting bugs, classifying them based on the severity, and documenting them.
* Open Defect's with help of Jira wherever discrepancies found in the code and assigning them to development Team.
* Involved in Testing Change Requests (CR) that is testing base enhancements to the existing code before implementing in the Production.
* Created detailed periodic Status Reports for senior management to keep them posted on the progress of implementation.
* Attended periodic meetings, teleconferences and led discussions on problem resolution.
* Coordinated with Developers for Defect analysis and performed Regression Testing.
* Developed Test Matrix to give a better view of testing effort.

**Project** #9

**Project : PDFM**

**Role :** QA Engineer

**Duration :** Jan 2013 to March 2013

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**Partner Data Feed Manager;**

The Partner Data Feed Manager Application (found at http://pfmanager) is a configuration and delivery application for Product, UPC, Store UPC and Store List data feeds for SEM affiliate marketing programs. A user may add new partners, as well as create, configure and schedule manual and automated data feeds for them that can be uploaded to specific destinations via FTP. The feed configuration parameters allow for specific column delimiters, file naming, data exclusion filters and partner/country specific shipping cost information to be implemented.

**Responsibilities:**

* Worked with Business Analysts to define testing requirements to satisfy the business objectives.
* Responsible for creating complete test cases, test plans, test data, and reporting status ensuring accurate coverage of requirements and business processes.
* Experience in SDLC and Agile methodologies such as SCRUM.
* Analyzing requirements and creating and executing test cases.
* Performed Integration, End-to-End, system testing.
* Involving in Functional Testing & Regression Testing
* Involving in writing complex SQL queries to verify data from Source to Target.
* Performed data validation testing writing SQL queries.
* Experienced in retest the existing test cases with the different kind of source systems for different periods of data.
* Preparing documentation for some of the recurring defects and resolutions and business comments for those defects.

**Project** #10

**Project : MARS**

**Role :** QA Engineer

**Duration :** Jun 2012 to Dec 2012

**Technologies :** Data stage (11.3), Db2, Oracle, Jira

**Project Description:**

**MARS;**

MARS Stands for Macys Analytics and Reporting Suite. MARS is a platform that provides analytics on online sales, products, inventory, and traffic data. The Data Warehouse Model is designed to contain historical data, as well as conformed information by line of business. The model provides subject orientation and integration of data that has been re-shaped for analysis.

**Responsibilities:**

* Preparing, Documenting and Execution of Test cases.
* Conducted Black Box testing for various builds in Test Environment.
* Responsible for Smoke, Functionality testing and Regression testing.
* Involved in Test Case Review based on the requirement changes.
* Defect reporting using Jira tool.
* Responsible for preparing weekly status report.
* Actively participated in project status meetings.