# Manjusree Saamavedam

# 719-242-7007

# manjusree.dw@gmail.com

**Around 15 years of total experience in the Information Technology Industry in Development and Testing of GUI and Data warehousing applications.**

**SUMMARY**

* Experience in all phases of the Software Testing Life Cycle (STLC) and Software Development Life Cycle (SDLC).
* Experience of working in Agile Scrum and Waterfall project methodologies.
* Expert in writing complex SQL Queries and PL SQL procedures hands on experience in running jobs or navigating/checking logs on the UNIX box.
* Experience in web applications testing using Selenium IDE and Selenium WebDriver, JUnit, TestNG, Log4j.
* UI testing experience using Cypress Automation tool.
* Experience in testing web pages using WAVE tool for 508 Compliance
* Experience in verifying logs on server console.
* Solid Experience in writing test scenarios using Selenium and Cucumber feature files.
* Good understanding of data formats such as XML and JSON.
* Solid knowledge on Core Java, HTML, CSS, JavaScript, XML, SQL & Hudson/Jenkins.
* Experienced in creating, executing tests and generating the test reports using ALM/Quality Center
* Experienced in Manual and Automation testing techniques, including Black box, GUI, Functional, Integration, Regression, Back end, Performance and User Acceptance Testing.
* In depth knowledge of Testing methodologies, Concepts, Phases, and Types of testing (Black box/White box testing), developing Test Plans, Test Scenarios, Test Cases, Test Reports and documenting test results accordingly after analyzing Business Requirements Documents (BRD).
* Web services testing experience on SOAP, REST web services with extensive hands-on experience on XML, WSDL/WADL, and Client/Server messaging systems.
* Understanding of Python and Pytest Frameworks, Cypress automation tools.
* Extensive testing experience on Hive and Hadoop based systems in recent projects with knowledge of Selenium Automation on ETL testing.
* Exposure to AWS and Cloud based testing such as S3, SNS, Lambda and DynamoDB.
* Hands-on experience in Data Analysis, Data Validation, Data Cleansing, Data Verification and identifying data mismatch for ETL testing based on mappings/requirements.
* Experience with Data Modeling, data warehouse, and data lake concepts.
* Experience with Snowflake, AWS S3 Storage, and Microsoft SQL Server.
* Hands-on experience in TDM using test data tools to generate the test data.
* Used Page Object Model to generate the framework for test automation scripts
* Extensive experience in testing in ETL loads and BI reports to match the existing functionality.
* Hands-on experience in Object Oriented Programming using Java and extensively used classes, objects, inheritance, polymorphism, and exception handling
* Hands on experience in writing User Acceptance Test Scenarios and participated in review meetings with leads for test case reviews.

**SKILLS**

|  |  |
| --- | --- |
| Testing Tools | **Selenium, Selenium IDE, Cucumber, Rest API, QTP, Cypress, Jasmine, Karma, Protractor, Test Director, HP Quality Center, SOAP UI Pro, WAVE** |
| Data Warehousing Tools | **Informatica Power Center 9.X/8.X, BO Data services, Business Objects XI 3.1/XIR2, Cognos 8, Micro strategy 10.1,Tableau, Big Data, Hadoop, Hive, Impala** |
| Data Access Tools | **TOAD, Rapid SQL, Oracle SQL Developer, Redshift, DB Visualiser,VBA Macro** |
| Programming | **C, Java, JavaScript, HTML, CSS, SQL, PL/SQL, Pig, Sqoop, Hadoop,**  **Python, AWS Lambda, Angular, Python, Selenium** |
| IDE and Tools | **Eclipse, IntelliJ, WSAD, NetBeans, Sublime, Visual Studio** |
| Databases | **Oracle, Sybase, DB2, MySQL, PostgreSQL, SQL Server 2005/2000, Teradata V12, MongoDB** |
| Object Oriented Analysis | **Unified Modeling Language (UML), Rational Rose Enterprise Edition** |
| Configuration Management Tools | **CVS, SVN, GIT, Jira, Jenkins, Hudson, Confluence, Bit bucket, Sonar Cube, Rational Clear Case, Clear Quest, Docker, Kubernetes** |
| Operating Systems | **Unix/Linux platforms (AIX, Ret Hat, Sun OS, Solaris) Windows 9X/NT/ME/2000/XP, Macintosh, DOS** |

**EXPERIENCE**

**Administrative Office of US Courts May 2024 – Current**

**Sr. Quality Analyst**

**Washington, DC**

**Projects: New Stats**

**Roles & Responsibilities**

* Involved in Data validation testing such as Bulk load and Incremental loads of the ETL data pulls using BO Data services.
* Verified the newly built BO reports for accuracy of data from the warehouse to the UI.
* Involved in Parallel testing and Regression testing of reports from various domains in the Jury and data loads for the changes made in the source.
* Has worked on DCT tickets assigned during the tenure for changes made in Test, UAT or Prod databases
* Actively involved in preparing test cases and validations for UI testing of SEF applications such as Grand Jury, Petit Jury and BCT, JC-30 and JC-31.
* Involved in Wiretap testing of State forms and Federal forms moving from the PDF to web version.
* Actively participated in DMZ and Non DMZ Wiretap testing of forms built on the UI.
* Verified upgrade related changes in BOXI reports for multiple domains in the NewStats application such as Appeals, Civil, Criminal, DCT and CJRA domains.
* Used Selenium Automation tools with BDD framework to do front end validation of SEF applications.
* Performed backend validation of data using Python and Pyspark scripts for null checks, duplicate checks, counts checks and Data quality checks.
* Used Bulk Load Macro for comparison of reports between Prod vs Test to validate the changes in the BOXI reports for excel downloads.

**Environment:** SQL, BO Data Services, Business Objects 4.0, DB visualizer, SQL developer, Winscp , Selenium, Java, Cypress, Pytest, VBA Macro, Python, PySpark, AWS

**Blue Cross Blue Shield, Anthem August 2021 – April 2024**

**QA Lead**

**Project: Report Builder**

**Roles & Responsibilities**

* Experience in Data Quality testing of the ETL code loaded during the data pulls.
* Data Validation of jobs using Big Data Hadoop technology. Spark and Sqoop ingestion loads have been verified as part of the project functionalities.
* Verified Hive and Hadoop data loads using AWS, S3 and Redshift for end to end data testing.
* Participated in the agile software testing process with regular QA meetings to discuss major features of the application, test cases to write and execute.
* Tested ETL loads full load and incremental load for all the data flows between Raw, WH Data Lake and OU zones.
* Validated the Count checks, duplicate checks, null checks and DQ checks between source and target tables for testing using Python Automation scripts.
* Working knowledge of AWS technologies such as S3 bucket, EMR and EC2 instances.
* Verified IAM roles and permissions for row level and column level securities while migrating the data to other environments.
* Did migration testing of all the tables and views from Legacy to NLZ layers as per client’s needs.
* Validated Tableau data sources and reports for the reports built on the warehouse.
* Verified complex tableau reports and dashboards to support the application from the user perspective.
* Involved in development tasks for the ETL and data source loads from WH to Report Builder layers creations on Tableau end.
* Supported the team for production releases over weekends and updated business users.
* Participated in all Agile and scrum review meetings from Requirement Gathering and was responsible for testing signoff before production.

**Environment:** SQL, Hadoop, Hive, Redshift, Python , Pyspark, AWS, S3, Tableau, Agile methodology, Qtest

**Care First BCBS July 2016 – February 2021**

**ETL & Automation Engineer**

**Reston, VA**

**Roles & Responsibilities**

* Worked on PL SQL scripts to generate the test data from various source tables.
* Used ETL code in PL SQL script usage of look up functionalities to generate the test data as required by client’s needs.
* Used Create, Update and delete statements with implicit cursors within the Procedural code to generate the test data.
* Developed feature files from user acceptance from JIRA.
* Generated Java classes from the feature files using Cucumber.
* Used Selenium Web Drivers Firefox, Chrome to instantiate browsers for the BDD framework.
* Performed build acceptance testing and smoke testing using Cucumber automation tool.
* Developed BDD (Behavior driven development) based programs using Gherkin for cucumber.
* Performed extensive functional GUI level testing using selenium java and wrote /modified tests
* Developed Selenium test cases in java.
* Developed functional/regression scripts utilizing Gherkin, Cucumber, Java
* Continuous Integrate Selenium Scripts with CI Build tool Jenkins & Maven.
* Worked on new key words used for the Automation framework during framework development.
* Experience in Data Quality testing of the ETL code loaded during the data pulls.
* Data Validation of jobs using Big Data Hadoop technology. Spark and Sqoop ingestion loads have been verified as part of the project functionalities.
* Participated in Agile software testing process with regular QA meetings to discuss major features of the application, test cases to write and execute.
* Tested ETL loads full load and incremental load for all the data flows between AQ, Raw, Trusted and Publish zones.
* Verified Micro Strategy reports and Dashboards for accuracy of dataflow from source to reports and Dashboards
* Verified data accuracy of data flow from claim forms on the source to reports in end to end testing.
* Validated numerous reports and templates for Claims and Enrollment applications built as per user requirement.
* Supported SIT Integration testing tasks in various upstream environments and user enquiries during UAT testing phase.
* Participated in all Agile and scrum review meetings from Requirement Gathering and was responsible for Testing signoff before production.
* Developed regression suite for validating counts, DQ checks, Null checks and Duplicate checks between the source and target for Regression testing of ETL loads
* Used automation scripts to validate the micro strategy reports using Tosca tool.
* Exposure to Performance Testing of reports and end to end testing of claims data during the plan testing phase.

**Environment:** PLSQL, TestDataManagement, Selenium IDE, Selenium Web driver, Cucumber, Java, Maven, PageObject, Protractor, Hadoop, Hive, Impala, DB2, Microstrategy, Jenkins, GIT, Agile methodology, JIRA, Maven, TestNG.

**College Board Jan 2015 – Jun 2016**

**Reston, VA**

**Sr. Tester (Manual/Automation)**

**Roles & Responsibilities**

* Developed test suites in SOAP UI to test Web Services.
* Tested REST Web Services methods such as GET, POST, PUT and DELETE using POSTMAN
* Used XML and JSON files to test requests and responses in the REST web services.
* Used API test automation to perform and validate test automation of Restful Web Services
* Extensively used complex SQL to verify database integrity for end to end and Webservices
* Tested ETL loads of Informatica from IODS and LIS to APD\_STG database for the AP31.
* Validated the XML file generation from AP31 and AP31\_Ack file received from ETS.
* Tested the whole flow for the Standard setting feed file (3100-character file) which concatenates the scores from the ETS to the 32 item rubric scores generated in the APD\_Stg file.
* Tested CDC loads using Informatica Power Exchange for the loads from ECDB to IODS tables. Both reconcile and CDC workflows have been tested in the release.
* AP Demographics report tested for functional and ad-hoc reports in Cognos.
* Followed agile methodology to deliver the business needs.
* Interacted with Business analysts and Software developers for bug reviews and participated in team meetings.

**Environment:** Java, Maven, Postman, SOAP UI, Informatica, Data flux, UNIX, Toad, Putty, ClearQuest, Informatica Power exchange, Informatica DVO, Cognos 10.1, Agile methodology, JIRA, REST API Automation.

**Freddie Mac November 2012 – Jun 2014**

**McLean, VA**

**Sr. Tester**

**Roles & Responsibilities**

* Involved in business processes and quality assurance on testing across entire product life cycle stages from requirements to implementation.
* Prepared Test Cases based on the Functional requirements provided by the business.
* Involved in UI testing for the new requirements of a loan file funded in the Selling System
* Validated the data population of attributes from front end to the downstream applications.
* Extensively used SQL queries to validate the data and used UNIX commands on putty to run the jobs, verify the logs and change the parameters in the file.
* Validated the ETL business logic for the data flowing from Selling to SOR and SOR to CDW.
* Validated the TDQ reports and BOXI reports as part of the release.
* Experienced with testing at different levels of testing like unit, functional, integration, system, load and performance and end to end testing.

**Environment:** DataStage, UNIX, HP ALM, SQL, BOXI

**Mahindra Satyam April 2005 – October 2009**

**BI/ETL Developer**

**Roles & Responsibilities**

* Trained new hires in the organization on various functionalities of the reports of BOXI and Informatica tools.
* Worked on Proof of Concepts on Business Objects Clustering mechanisms.
* Participated in Requirements review meetings to understand the requirements.
* Created Standard and Adhoc reports.
* Created Dashboards and Scorecards built on different KPI’s.
* Participated in reports Migration from BO6.5 to BOXIR2 version.
* Created Informatica mappings to load the data flowing from source to target.
* Used all the available transformations in Informatica to meet the requirements of the project.
* Worked on production support tasks to fix the defects on time for issues raised by users.

**Environment:** BOXI 6.5, BOXIR2, Informatica 8.0/9.0 Power Center, SSIS, SSRS, Oracle 10G/11G, Teradata.

**EDUCATION**

**Master’s in Business Administration May 2010 – April 2012**

University of Northern Virginia

**Bachelors in Electronics and Communications** **Engineering May 2001 – April 2005**

JNTU, Hyderabad, India