

# Manu Manjunath

## QA Java Automation Tester (SDET)

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### PROFILE

**SDET/QA** Automation Engineer with over 8 years of experience in all phases of Software Testing Life Cycle (STLC), Developing Test Strategy, Test Scenario Design, Test Plans, Test Cases, Test Execution, Test Reviews and developed Automation Test scripts using Selenium, Java, Java Script, Ready API, Rest Assured. Diversified experience in Automation and manual testing of Client Server, Web based and Cloud Applications and worked on various domains such as Investment banking, Ecommerce, Insurance and Banking.

### PROFESSIONAL SUMMARY

- Experienced in Analyzing, Designing and Implementation of QA Testing strategy for Web based and Client/Server applications using Automation testing and manual testing.
- Experience in Agile Testing Environment (Agile /scrum model) and good expertise in attending Scrum calls, Sprint Planning, Reviews and retrospective meetings.
- Experience in creating Test Plans, Test Scenarios, writing and executing Test Cases, Task Scheduling, Manual Testing and Automated Testing, Defect Tracking, Test Coverage and Test Summary Reports and also well versed in different management scenarios like Quality Assurance and Change control.
- Experience in developing end to end automation using Selenium WebDriver, RC, IDE, Grid, Junit, TestNG, ANT, Maven, Jenkins, Web Services (REST, SOAP), and Rest Assured.
- Designed and developed various testing frameworks like Keyword, Data Driven framework, Hybrid framework, and advanced Framework Behavioral Driven Development (BDD).
- Experience in working with Behavior Driven development (BDD) by writing gherkins language in cucumber tool, creating Feature files, step definitions, Runner files.
- Using Maven Build Tool performed compiling of class, setting up Selenium2.0, download Java Client Libraries, create project, creating pom.xml with artifacts and dependencies.
- Using Jenkins achieved Continuous Integration and continuous Delivery, performed Background jobs and analyzed the pass or failed criteria in QA Environment
- Used Git and Git hub tools for maintaining the version controlling. Also integrated with Jenkins to run the latest version of code in the background.
- Local repository and central repository maintained using Push, Pull, and Clone commands maintained the code files.
- Well versed with Functional Testing (Unit Testing, Smoke testing, Integration Testing (Top Down, Bottom up Testing), Integration Testing, GUI Testing, Regression Testing, and User Acceptance Testing, Black box testing, Performance and System Testing.
- Experience in creation and execution of Test plans, Test Script and Test Cases for both Manual and Automated Testing.
- Dealing with High level business quality, validating the client source system and targets data i.e. Finance systems, Mortgage, Medical Equipment's, Ecommerce, Insurance.
- Extensively used Mercury Interactive Tools for testing the functional behavior of the application.
- Used external jars Jxl and Apache poi API's to get the test data from Excel sheets.
- Strong Experience in executing SQL queries to validate the data in the backend as part of Database Testing.

- Excellent working knowledge of designing & implementation of all QA test strategy plans manually and automated test solutions for client/server and Web applications with Mercury Interactive test suite.
- Experience in testing Web Services-SOA architecture, RPCs, XML transactions, SOAP, HTTP, WSDL, and REST using various industry standard tools like SOAP UI.
- Using SOAP UI Tool performed cross-platform Functional Testing involving XML messages, constructing different field values, data and validating HTTP Request and HTTP Response.
- Validated the data from the source systems and different databases, by sending the requests Using Soap UI, Ready API and Rest web services then captured the response from them.
- Extensively used Quality Center for specifying requirements, updating Test Cases, application testing status reporting, maintaining Test scripts and observing traceability.
- Tested applications developed in Mainframe, Java, and Visual Basic and so on.
- Involved in analyzing business and technical requirements and workflow of Software Development Life Cycle-SDLC.

## **EDUCATION**

- ✓ Bachelor of Engineering in Computer Science & Engineering, Visvesvaraya Technological University, India.

## **TECHNICAL SKILLS AND ABILITIES**

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|----------------------|--------------------|----------------------|
| • Java               | • Selenium IDE     | • Selenium WebDriver |
| • Selenium Grid      | • Junit/ TestNG    | • DevOps             |
| • Maven              | • Git, GitHub, SVN | • Jenkins, CI/CD     |
| • Cucumber (BDD/TDD) | • Rest Assured     | • Oracle/SQL Server  |
|                      | • MS Azure         |                      |

## **Zions Bank, Salt Lake City, UT Software Development Engineer in Test (SDET)**

**Apr'19 - Present**

Zions bank, to support multiple banking affiliates on a modern, integrated core banking platform has undertaken core transformation exercise to replace its legacy core banking system with TCS BaNCS core banking system and the multiyear program at Zions bank is known FutureCore.

- Involved in implementing the framework, developing automation scripts for the new User stories and maintaining and running the Regression Scripts.
- Built test automation solutions in agile environment.
- Participated in design of Proof of Concept with QA Manager.
- Documented test automation requirements and other test planning artifacts in preparation for test automation design.
- Designed and developed framework from scratch to automate windows application using WinApp driver with Appium using tools like UI Automator, Inspect.
- Setting up selenium GRID and Hub on AWS EC2 instances.
- Create and implemented Test Plan, Test Scripts based on the Software Requirement Specification.
- Coordinated with Onshore and Offshore Team.
- Creating test scripts using JAVA and Selenium Web Driver for the functional test cases.

- Generated Test Scenarios, Test Case and Test Data and executed test scripts to test the functionality of the application and regression testing.
- Created automation test suites using data driven framework and Page Factory model to test the web applications.
- Involved in Hybrid Test framework to achieve Regression Testing. Developed and included packages for the Driver scripts, Page Objects, Reusable Libraries, HTML reports and Log files.
- Responsible for writing the SQL Queries using Joins, Stored Procedure and Functions to retrieve the data using Microsoft SQL Server.
- Created, implemented, and maintained Page Objects (POM) for each project.
- For Continuous integrations and delivery of the automation scripts used GITHUB.
- Updating the test plan document for every Sprint meeting.
- Executed automated test, manual tests, performed ad hoc testing, reported issues and incidents.
- Involved creation of comprehensive test automation framework using Page Object Model to reduce repetitive testing using Selenium Web driver, STS IDE, Java, TestNG and other APIs.
- Conducted Smoke testing, Functional testing, Regression testing, Integration testing, User Acceptance Testing (UAT) and Data validation.
- Developed scripts to navigate to various iframes and to handle multiple windows and performed operations on the web elements. Dealt with Accessing Links and Tables using Selenium WebDriver.
- Conducted Defect triage meetings.
- Facilitated Defect Triage meeting. Informed Senior Management of Risks / Issues discovered while testing.
- Developed SQL queries to validate the data integrity of the database.
- Used Azure DevOps for raising issues, bugs, defect tracking, writing suggestion, and executing test.
- Used GitHub as version control tool.
- Expert in understanding of complete test automation and various test automation frameworks. (i.e., data driven, keyword driven, table driven, hybrid, etc.)
- Making sure the resolved bugs are retested and closed if needed.
- Involved in unit testing using TestNG framework and worked very closely with the developers.
- Implemented logic to read data from Excel to achieve functional testing with different data.
- Mapping test cases with the requirement using Requirement Traceability Matrix.
- Used Azure DevOps as project management software.
- Responsible for new teammate onboarding (i.e., overview of the application, framework, and initial setup of the tools).

**Environment:** STS IDE, JAVA, GITHUB, Selenium Web Driver, Data Driven, SQL Server, TestNG, MAVEN, Azure DevOps, Microsoft Excel, Appium, WinApp Driver.

**BNP Paribas, Dallas, TX**

**Aug'17 – Apr' 19**

**Sr. Automation Test Engineer**

Dolce trading EMS implementation for investments listed as derivatives & options. Liaison between business & technology to facilitate full scope of cross-border multi-asset class trading Application.

- Involved in all stages of testing life cycle, Test Driven Development methodologies, Software Development Life cycle (SDLC) using Agile methodology.
- Expertise in Smoke testing, black-box testing, white-box, Integration testing, Database testing, regression testing and GUI software testing.

- Developed BDD tests using Cucumber by writing behavior and step definitions & developed required Selenium support code in Java for Cucumber.
- Involved in Scratch implementation of BDD frame work, moved entire framework from hybrid to BDD by using POM, and creating Feature files, Step definitions, and Runner class. Using reports analyzed step by step fail and pass criteria.
- Worked on Selenium GUI Object / element verification is done through XPath, CSS Locators.
- Used to identify object locators and creating X-path using Fire-bug and had Good knowledge of Page factory and POM in selenium, Worked with Log4J, apache POI Library, J-unit.
- Automated Web Services using **Rest Assured** using Java in eclipse
- Designed and developed tests for Mobile App Testing in Android Platform using Appium
- Involved in conducting tests on Web services transactions like automatic bill payment, wire transfers, sent over HTTP or HTTPS by inspecting every XML request and response using Soap UI.
- Tested web services by generating XML, SOAPUI Requests and validated the corresponding XML, SOAPUI Responses.
- Automated Restful services using Rest Assured API using java by following the TDD/BDD framework model
- Involved in setting up continuous integration system using Jenkins and working knowledge with cloud-based code repository system like GitHub.
- Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.
- Worked effectively with Developers, AGILE Team, and Project Management to achieve Selenium automation, high quality, release deadlines and QA processes improvements.

**Environment:** JIRA, Confluence, Java, ReadyAPI, SoapUI, Rest Assured, XML, Selenium, TestNG, Maven, Appium, Java Script, Mobile, REST, SOAP, HTML, Android, Cucumber, Gherkin

**Bed Bath & Beyond, Union, NJ**  
**Sr. Automation Test Engineer**

**Nov'15- Jul'17**

- Analyzed Software and Business Requirements documents to get a better understanding of technical and business perspectives.
- As a QA tester, was involved in assisting and participate in planning, organizing the test schedules, test suites, test cases.
- Define, develop, and execute automation test scripts using Java that leverage black and white box testing across functional.
- Designed and developed Hybrid automation framework and maintained the code in Git and used continuous integration (CI) tools to schedule the jobs
- Extensively used the Selenium methods to build the framework and run the test scripts.
- Extensively used POM model to create the reusability of same objects for different tests.
- Using TestNG annotations controlled the entire test. Generated the clear web html reports for analysis purpose.
- Used Soap UI and Ready API for testing the web Services by the request and response time by the help of WSDL file and XML data. Added various assertions and did a data driven by getting the data from excel sheet.
- Given some assertions to find out the pass and failure criteria of response from the systems.
- Involved in the TestNG framework Automated test suites using Jenkins in the background.
- Responsible for updating and maintaining the Quality center for reporting and logging the defects found during functional and regression testing and follow up the bug life cycle.

- Automated android mobile app using Appium by configured the emulators and on the real devices and executed scripts by taking the .apk file from the development team
- Good knowledge on setting the capabilities for working on various browsers.
- Executed the positive and negative test case for regression testing and took the screen shots for validation of test case.
- Executed test scripts from quality center
- Conducted System Testing, Functionality Testing and Configuration Testing as well as stress testing.
- Responsible for creating Test plans, Test cases, Test Scenarios, and mapping business requirements to test cases.
- Performed Functional, Regression and Integration Testing as well as UAT testing.
- Automated the test cases by using Java with Selenium environment, back end test using SQL.
- Validating all transitions posted as per requirements in Database and also verifies the transactions are posted after file management.
- Tested the Web Application of Customer Account Activity to check whether they were reprised or not.
- Interacted with Developers and Project Managers to follow up on Defects/Issues.
- Participated in various team meetings and discussed Enhancement and Modification requests.

**Environment:** Selenium, Java, JavaScript, TestNG, JUnit, Jenkins, Git, Quality Center, XML, SOAP, REST, HTML, Excel, Word. PL/SQL, Agile Methodologies

**Myntra, India**

**Nov'14-Apr'15**

**Software Programmer (Java)**

- Configured **application-flow, controlling logic and navigation.**
- Designed and developed base classes, framework classes and common re-usable components.
- Involved in re-factoring the existing components to meet the current application requirements.
- Used various **Java and J2EE APIs including JDBC, XML, Servlets, JSP, and JavaBeans, Spring Framework.**
- Involved in Performance tuning, debugging issues in testing and deployment phases. Implemented RDBMS to add the additional condition for the system to support a tabular structure for the data with enforced relationships between the tables.
- Coordinated **on-site and offshore development teams** in various phases of the project.
- Implemented **SQL queries for database interaction.**
- Participated in all the phases of **SDLC** including Requirements Collection, Design & Analysis of the Customer Specifications, Development and Customization of the application.
- Developed **high level design documents**, use case documents, detailed design documents and Unit Test Plan documents and created Use Cases, Class Diagrams and Sequence Diagrams using UML.
- Implemented the application using the concrete principles laid down by several **Java/J2EE** Design patterns.
- Configured Web Application Context as a **Context Listener in the web.xml file** to Integrating Spring with JSF.
- Implemented ORM in the persistence layer using **Hibernate framework** in conjunction with Spring **Aspect Oriented Programming (AOP)** functionality.
- Involved in **performance tuning of the application to meet non-functional requirements.**

**Environment:** Java, J2EE, JSP, Servlets, EJB, XML, HTML, JDBC, SQL, Eclipse, spring, Hibernate, RDBMS, Windows, Bugzilla.