Bhargavi Mudrakolla

Sr. QA/Selenium Automation Engineer

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**Summary:**

* Around 8+ years of work experience in **Software Testing** specializing in **Black Box** Testing using both **Manual Testing** and **Automation Testing**. Well-versed with all stages of software Development Life Cycle (**SDLC)** and Software Testing Life Cycle (**STLC**).
* Knowledge of web and database scripting languages such as **JavaScript**, **Java**, **SQL, PL/SQL**, **HTML, XML** etc., useful in working with developers for defect fixing.
* Skilled in using Collections in **Python** for manipulating and looping through different user defined objects.
* In-depth experience setting up, maintaining and enhancing **CI** tools, particularly **Jenkins.**
* Strong Database (**Oracle**, **SQL Server** and **DB2**) testing skills using **SQL** and **PL/SQL**.
* Wrote scripts to test the flat files data in the data bases and performed **flat file testing.**
* Expertise in Execution of **Test cases, Test scripts** and generating automation **Test scripts** using Automation tool. Experience in Manual Testing using Quality Center and Rational Test Manager.
* Extensively used **Soap UI** to validate **Soap/WSDL** and **Web services**. Experience with working in scripting languages such as **SQL, VBScript, HTML and XML**. Good hands on experience in dealing with various Data sources like SQL Server 2000/2005, MS Access, Excel.
* Worked on database testing on triggers, logical views and SQL queries which support database refactoring
* Familiar with OSI and TCP/IP
* Providing secure document storage and shredding for various customers
* Experienced in Software Development Life Cycle (SDLC), Defect life cycle management and different methodologies like Waterfall, Agile, and Scrum.
* Experienced in writing SQL queries for back-end testing and validation of data.
* Excellent analytical, problem solving, communication and interpersonal skills, with ability to interact with individuals at all levels.
* Excellent Technical, Analytical, Problem Solving skills, strict attention to detail and ability to work independently, work within a team environment.
* Efficient team member with excellent work/time management skills, excellent leadership, communication and interpersonal skills and ability to work under strict deadlines.
* Much experience in using **Firebug** and **Fire path** of Mozilla Firefox in built tools.
* Expertise in Set up of **Selenium Web Driver** on **J Unit** Framework using **Eclipse IDE**.
* Hands on experience in creating test frameworks using **Selenium Web Driver**, **Selenium RC**, **UFT/QTP**, **Cucumber**, **and TestNG** including hands on experience in **Java/SQL**.
* Experience in using Automated Performance Testing tools like **HP Load Runner**, **HP Performance Center**, **and IBM Rational Performance Tester**& **J Meter.**
* Expertise in Selenium automation using Selenium **Web Driver**, **Selenium Grid,** Testing & ANT/MAVEN. Experienced in using Test Management tools such as **TFS, Rally, JIRA, Bugzilla** and **Quality Center (ALM)** bug reporting tools to track test progress, execution and deliverables.
* Worked with defect tracking tools like **Quality Center**, **ALM, JIRA** and **Clear Quest**. Created & executed automated scripts/components using Selenium tool that supports Java platform
* Hands on experience with **Agile, Scrum and waterfall methodologies**. Working within agile development teams with a **BDD** approach and supporting the developers to quality assured developments early.
* Experienced in writing and executing SQL queries using **TOAD, PL/SQL** and **Oracle.**
* Excellent interpersonal skills, proven team player delivering under high stress environment with resource constraints. Worked on Voice tone platform and both **INBOUND** and **OUTBOUND** IVR applications.
* Performing Cross-platform, Functional, Regression testing, UI testing for mobile app using **Appium** test automation framework.

**Technical Skills:**

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| Testing Tools | Selenium Web Driver/RC/IDE/GRID,HP Quick Test Pro (QTP/UFT) 11, Quality Centre/ALM 11, Load Runner 11,JUnit, Cucumber, Hudson, TestNG, Web Services, Finesse, Xamarin, SOAP UI,ITKO Lisa, Spec Flow, Smoke Testing, Coded UI, Appium, Jenkins, Maven, ETL, Video testing. |
| Language/ Script | Java, JavaScript, Shell Script, Unix, Linux, VBScript(UFT), C, C++, C#. |
| Test Frameworks | JUNIT, NUNIT, TestNG, Protractor, Karma, Data Driven Framework, Keyword Driven. |
| Firefox Add-ons | XPath, Firebug, Fire Path. |
| Web development | HTML, CSS, JavaScript, JQuery VB Scripts, XML, Flash. |
| SOA Technologies | SOAP, REST, WSDL, UDDI, Web Services, SOAP UI. |
| Bug-Tracking Tools | BugZilla, JIRA, Mantis, Element tool, Rally, HP ALM/Quality Center. |
| Build/Continuous Integration Tools | ANT, Maven, Jenkins, Hudson, Bamboo. |
| Databases Technologies | MS SQL Server 2000/2005,OLAP and OLTP, Oracle 9i/10g, MS Access 2000, TSQL, Oracle PL/SQL, SQL\*Plus, SQL\*Loader, MYSQL. |
| Platforms | Windows 7/Vista/XP, UNIX, LINUX, MAC OS X. |
| Mobile Platforms | IOS, Android OS, Windows Phone. |
| QA Methodologies | Agile, Scrum and waterfall. |
| Version Control | Git, SVN, CVS, TFS. |

# **Professional Experience:**

**Client: Transamerica, Harrison, New York August 2015 – Till Date**

**Role: SR. QA Automation Tester**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies, Software Development Life cycle (**SDLC**) using **Waterfall**, and **Agile** methodologies.
* Wrote and executed **TDD** (Test Driven Development), managed test data and utilized test data management techniques.
* Wrote business logic code in **C#** code behind files to read data from database stored procedures.
* Involved in all the phases of **Manual Testing** process and worked closely with Business stakeholders.
* Involved in writing the Unit Test Cases using **SQL**. Involved in Performance tuning of the existing **SQL** and **PL/SQL** Queries
* Developed external custom functions using **VBScript** and using Descriptive Programming for **QTP**.
* Cleansing data generated from weblogs with automated scripts in **Python**.
* Performed Data driven testing using **Selenium** and **TestNG, Bamboo CI** functions which reads data from property and XML files.
* Extensively worked on **Hudson/Jenkins** and Bamboo for continuous integration and for End to End automation for all build and deployments of **life & annuity** insurance
* Manually performed Back-End testing by writing **SQL** queries and validating the database using Complex **SQL** Joins and Functions.
* Work with **Jenkins** and CI tools to automate dev, build, deployment and testing.
* Involved in Designing & developing data driven framework using **Selenium Web Driver**, Testing and implemented Java Mail to send the regression result automatically.
* Involved in Automation of the test cases using **Selenium** Web Driver, protractor to handle Angular JS, TestNG and Maven technologies under Java platform **Web Driver**, Junit Executed regression test procedures and automated test suites and scripts.
* Developed and updated the automated regression suites in an **UAT** environment using **Selenium Web Driver.**
* Unit Test **Python** library was used for testing many programs on **python** and other codes.
* Scripting the test cases for regression using **Selenium Web Driver** using Java. Used dataset, data reader, data view to read data using **ADO.Net** objects.
* Involved in validating functional, Integration and Regression test suites using **Selenium**, **Cucumbe**r and the request and response of the Web Services (**SOA**) through **Soap UI**.
* Sole performance of **API** testing with different sub-systems as a part of Back-end test.
* Worked closely with front-end engineer to design and tweak **Restful API** used by the frontend.
* Extensive use and knowledge of automation tools such as **Selenium Web Driver**, **Appium** and **Soap UI.**
* Designed and documented **REST/HTTP** APIs, including **JSON** data formats and API versioning strategy.
* Added Property Transfer in **Soap UI** tool to transfer the values from one response XML to another request **XML.**
* Extensive experience in **ETL/ Data warehouse** backend testing and BI Intelligence reports testing.
* Developed automated testing suite in **Soap UI** for **Rest API** testing.
* Created Page Object Model Mobile automation framework on both IOS and for Android using **Appium**. Extensively worked on Cucumber with the preferred Languages **Java**.
* Helped in performance testing for API using **J Meter**, by writing and running the performance test, collect data, and generate reports.
* Sole performance of **API** testing with different sub-systems as a part of Back-end test. Restful Web Service testing using Http Client **Java** library. And used **nightwatch.js.**
* Prepared **Load Runner** scenarios for Load and Performance testing using different host systems.
* Rational **Clear Quest** used for Defect tracking, associating requirements, Document Modification.
* Executed multi-user performance tests, used online monitors, real-time output messages and other features of the **Load Runner** Controller.
* Developed metrics dashboards and advanced filters in **JIRA** to provide end-users and business leadership with performance metrics and status report.
* Customized **ALM**modules and supported user export process into **ALM**Defects, Test Plan, and Requirements.
* Programming knowledge in **java script.**
* Mobile automation of IMDB android and windows app using **Appium** and Selenium Web Driver

**Environment**: Quality Center (QC)/ALM, QTP/UFT, Selenium Web Driver, BDD, TDD, Agile Methodology, Cucumber Eclipse, J Unit, Maven, Jenkins, SVN, TFS, VBScript, Appium, Soap UI, BDD, HTML,XML, (SOAP & RESTFUL), Java, Python, JavaScript, J Meter, TestNG, JIRA, Clear Quest, Load Runner, Firebug, SPIRA, SQL, PL/SQL, Linux, Windows.

# **Client:** **WPS, Health Insurance, Madison, WI October 2013 – July 2015**

**Role: Automation Tester**

* Followed **Agile testing methodology**, participated in daily **SCRUM** meetings and testing each **SPRINT** deliverables.
* Designed and implemented different automation frame works(**TDD**) from starch like **Data Driven framework** and **Hybrid framework** in different projects**.**
* Automated the build process to create the installers from **TFS**, so that team can build their installers whenever the code changes.
* Used **Jenkins/Hudson** to perform single click Continuous Integration Automation.
* Implemented CI and CD for database using Liquibase, **Jenkins**
* **Experience**d in conducting different types of testing including **Black Box** Testing, **GUI** Testing, Data Driven Testing, **Back End Testing**, **Integration, Regression, Sanity, Functional and System testing.**
* Worked for creating **Test Plans**, **Test Cases**, **Test Scripts** and entire Testing process. Created Web pages using **Angular JS** and did performance testing using **J Meter.**
* Implemented an automated deployment process using **Jenkins** and **Git** that we use for deployments our staging and QA environments.
* Created **Python/My SQL** back-end for data entry from Flash. I had to assist the Flash developer send the correct data via query strings.
* Prepared Automation Test Plan and developed automation VBScripts using Quick Test Pro.
* Designed front end and backend of the application using **Python** on Django Web Framework
* Wrote **PL/SQL** Queries to retrieve the data from various Tables and to test the database.
* Performed the **Back-End integration** testing to ensure data consistency on **front-end** by writing and executing **No SQL** statements.
* Extensive testing **ETL** experience using **Informatica 8.1**/7.1/6.2 (Power Center/ Power Mart) (Designer, Workflow Manager, Workflow Monitor and Server Manager)
* Generated property list for every application dynamically using **python.**
* Actively involved in **SDLC** and **STLC** process and used tools like **ALM, Selenium RC/Web** driver, **J Meter**, **Soap UI,** and **Visio.**
* Developed **BDD** Automation Framework using **Cucumber** tool and developed Feature files which includes Features, Scenarios and Step Definitions.
* Worked with the Web programming language **HTML5, CSS3, XML** and selected web element by using **Firebug** and **Fire Path.**
* Involved in **Regression** and **System testing** of the application using **QTP/UFT 11.5**.
* Responsible for implementation of **Hybrid Test Automation Framework** build using **Selenium, J Unit** and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Extensively used Selenium **IDE** to record, playback and debug individual test cases, using **Selenium Web Driver** provided more flexibility in automating test cases
* Designed data-driven testing **framework** in **Selenium** and captured data dynamically from **web controllers.**
* Used **Soap U**I tool to test **SOA** based architecture application to test **SOAP** services and **REST API**.
* Developed Automation Scripts for **Regression** using **Selenium Web Driver** and **Java**.
* Used Rational **Clear Quest** to log the defects that were found during test execution.
* Analyzing the defect when reported by going through the Web API logs and then submitting them in **TFS**.
* Fix **XML** bugs on the daily basis, and verify fixes in a variety of browsers, applications, and devices.
* Expertise in generating Virtual User Scripts and Load Scenarios using **J Meter** and **Load Runner** for different transactions to execute Load Testing and Stress Testing.
* Reporting, tracking, and determining the priority of reporting bugs in **JIRA.**
* Used open source environment in **Linux a**nd **UNIX** Platform Web application testing
* Experience in using Defect management systems such as **HP ALM** (Quality Center).Successfully rolled out **Agile** Strategy Mapping approach, a key technique in Agile transformation

**Environment :** Selenium RC/IDE/Web Driver, Quality Center (QC)/ALM, QTP/UFT 11.5, Agile, BDD, TDD, Cucumber, Jenkins, J Unit, Smoke Test, TestNG, J Meter, Load Runner, Appium, Soap UI, TFS, SVN, Eclipse, XPATH, Firebug, Fire path, JIRA, Python, Java, HTML, XML, VBScript, SQL Server 2012, Linux, SQL, C# Soap UI, Oracle, Java, Java Script, HTML, Python, XML, Linux.

**Client: New Wave Surgical, Pompano Beach, FL March 2012 – September 2013**

**Role: QA Tester**

**Responsibilities:**

* Used **Selenium RC** for testing different browser, **Selenium Grid** for checking instance of server and **Selenium IDE** for record and playback.
* Provided technical assistance for feature, functional and regression testing in SDET.
* Analyze Sales force system usage and data storage patterns to improve efficiency CVS,SVN for version control
* Experience in developing applications **using ASP.NET MVC, ASP.NET Web Forms, LINQ**and**Windows Communication Foundation (WCF).**
* Experienced in Creating test script in **HP UFT QTP** by recording, without recording, modifying manually and running the script in HP UFT 11.5 QTP / HP ALM 11.52 QC saving the results in HP ALM.
* Ran the scripts for multiple users using controller in Load runner for CCT GUI/**API** regression/Load testing.
* Installation and maintenance of the test lab. Installation of **Win Runner** and **Load Runner.**
* Design applications using **SOA** and ITKO Lisa Automation tool.
* Extensively worked on **J Meter** to create Thread Groups and test Web Application for various loads on key business scenarios.
* Enhanced the QTP scripts by inserting VBScript functions and Checkpoints to check for Broken Links, Text, Table, XML and Images, and Synchronization Point to capture upload time.
* The position involved looking after the physical network, the UNIX systems and networks, helpdesk, a multi-site email network with **SMTP**, backups, user account synchronization and availability across the wide range of internals and running Iona's main internet servers, net connection and firewall.
* Conducted client consultations for **WLAN/WAN** hardware and software, including networks, routers, and servers. Analyzed business needs and recommended solutions
* Created and executed **database queries (SQL)** to validate database data integrity
* Developed Java test scripts in Selenium for Page Object Frame Work.
* Prepared and executed of test scripts using **J Meter** and **SOAP UI** tool to perform Web Services testing.
* Good Experience on Selenium IDE and creating Scripts in selenium --RC by using Java
* Experience in testing EDI according to **HIPAA** compliance.
* Used **SOAPUI** (use of groovy script) for test data setup in Test Driven Development.
* Identifying and preparing test data for Manual and Mobile Testing.
* Updated test cases and test scripts according to changed requirements as well as using **Quick Test Pro** for regression testing.
* Expertise in test management tools like HP ALM/QC and Bug Tracking tools like **Bugzilla** to prioritize, classify bugs and tracked defects.
* Used **SOAP UI** tool to test SOA based architecture application to test **SOAP** services and **REST API**
* Involved in testing web services and XML with tool called **SOAP UI** and using this tool to locate WSDL file on internet, created Test cases and run them.
* Used open source environment in **Linux a**nd **UNIX** Platform Web application testing.
* Identified software capability and reliability by conducting **functional, system, and regression and performance** tests.
* Documented and reported test outcomes by **collecting, analyzing, interpreting** and **summarizing** data to development team.
* Assisted in reproducing, investigating and **debugging** software issues in coordination with the development team.
* Developed new and updated existing Automation test cases using **Selenium Web Driver** and **TestNG**, using **SVN** as VCS for a Java based Web application, using **Maven** as build tool and **Jenkins** to create and run deployment jobs.
* Worked with minimal supervision, whilst being responsive in a fast paced development environment.
* Filed by filed **logic validation** based on business requirements between different stages.
* Record Reconciliation based on extraction logic (Row counts balancing between Source Staging **DWH DM**).
* Works closely with developers and business analysts to define **test scenarios** and developed a plan.

**Environment :** Quality Center10/11, Quick Test Professional (QTP)/UFT 10.0, Selenium IDE/Web Driver, BDD, TDD Cucumber, Agile Methodology, Load Runner SQL, Jenkins, VBScript, TestNG, JIRA, Soap UI, SOAP, WSDL, C#, Java, HTML, Python, XML, Bugzilla SQL, Oracle, Java Script, HTML, Python, XML, Linux.

**Client: First Bank and Trust, Springfield, IL. October 2009-March 2012**

**Role: QA Automation Engineer**

**Responsibilities:**

* Involved in writing and executing detailed Test cases, Test plans and Test design documents.
* Identified test cases to automate. Automate those test cases using **Selenium RC, Junit** and Java (7Eclipse IDE) contributed in framework creation.
* Efficiently and effectively work on projects for Salesforce.com, providing timely, detailed solutions, helping to streamline business processes
* Developed Automation Scripts, Execution and Analysis Test Results using a Hybrid Framework in **Selenium RC.**
* Expert in UNIX Shell Scripting.
* Set used an test environment for client server based using Set top Box on Windows 98/2000 and **Linux** platform.
* Validated the response of the API with PL/SQL queries on the database using VB Script.
* Responsible for estimating required resource and components for **SOA** testing
* Customized and enhanced the Test Scripts defining various Checkpoints, Synchronization points, Input value, Output value, Parameterize Test, Define Regular expressions, Recovery Scenarios, Optional Steps using **HP UFT QTP .**
* Created test planning and participated in execution for **API** testing using Test harness tool.
* Implemented Modular Frame work for **Selenium RC** scripts using Java in Page Library model.
* Developed a Data Driven Framework using **Selenium RC/IDE.**
* Performed Functional testing of modules, Tracked defect in **Bugzilla**, assigned them to appropriate development team and follow up with them till closure.
* Performed functionality and regression testing during the various phases of the application using **Selenium RC.**
* Automated suitable test cases for Regression Testing using **J Unit** for back end automation.
* Involved in creating automation test suites for progression & regression testing in **SOAP UI**. The messaging formats included **SOAP** over **HTTP&REST** based clients with **XML** payload.
* Identified Test cases based on the requirements, participated in implementation of Test Cases, and Test Script according to the Business Requirements, System Requirements.
* Tested request and response XML's based web services interfaces using **Soap UI.**
* Created Requirement Traceability Matrix and also updated the Requirement traceability matrix timely with the changes in HP **Quality Center**.
* Involved in providing the efficient locators strategy like XPath and CSS to run **Selenium RC** script in stable condition.
* Used **JIRA** for Bug Tracking, Bug fixing, and Bug Reporting.
* Involved in the Database Testing using **SQL** Quires of the Application like checking all the Tables in the Database and checking whether the data is moving in their Respective Tables.

**Environment :** Quality Center (QC)/ALM, QTP/UFT, Selenium Web Driver, VB Script, Agile (Scrum), J Meter, SQL, Soap UI, Oracle, Java, Java Script, HTML, Python, XML, Linux.

**Client: Clear Point, India** **June 2008 - September 2009**

**Software Tester**

**Responsibilities:**

* Analysis of Automation tool (Test Partner) as per application.
* Preparation and execution of Test Scripts with these Tools.
* Involved in Preparation of POC (Proof of Concept) of Test Automation with the Tools.
* Involved in Manual Testing, Setup maintenance and Bug reporting/closure activities.
* Involved in Regression Testing.
* Ran the scripts for multiple users using controller in Laod runner for CCT GUI/**API** regression/Load testing.
* Loaded test data from a SQL server in to the web application.
* Involved in Reviews of F-Spec, Test cases.
* Responsible for Planning, Designing, Development, Testing of in-house tool “Effort Estimation Tool” in Visual Basic.

**Environment:** Quality Centre, QTP, Test Partner, Windows XP, Oracle, SQL.

Education : Bachelor’s Of Engineering in CSE From JNTUH-2008