

**Kalkidan Ashenafi, BS**

# Executive Summary

* 6+ years of IT experience in Software testing with focus on manual and automated testing of web-based, client server and data warehouse applications.
* Excellent knowledge in complete Software Life Cycle Process, analyzing requirements and business needs, developing test plans and test strategy for execution.
* Experienced in Defect life cycle management and different methodologies like Waterfall, Agile, and Scrum.
* Extensively experienced in performing Manual and Automated Testing.
* Experienced with various types of testing like GUI testing, Web testing, Regression testing, User Acceptance Testing, Functional Testing, System Testing, Integration Testing, End to End Testing, Unit Testing.
* Experienced in analyzing business specification documents, designing and developing Test Plans, writing and executing Test Cases.
* Good knowledge of Web interface automation testing with Selenium Web Driver, Java and TestNG.
* Experienced in developing automated test scripts for web based testing as well as testing of web services using Java/TestNG.
* Good experience in Unit Testing, Functional testing, User Acceptance Testing (UAT), Regression and Integration testing.
* Proficient in executing black box testing and white box testing for various service oriented applications.
* Experienced in working with continuous integration tool Jenkins for build automation and JIRA for defect tracking.
* Experienced in writing test cases using Eclipse, Intellij IDE and TestNG framework.
* Experienced in developing automation scenarios consisting of tests, actions, and assertions in Eclipse using Selenium Web Driver and TestNG frameworks.
* Experienced with ALM/Quality Center for organizing and documenting test cases.
* Experienced in writing SQL queries for back-end testing and validation of data.
* Exceptional analytical, problem solving and communication skills.
* A good team player with the ability to communicate effectively at all levels and a motivator, with a strong willingness to learn.

# Technical Skills

**Testing Tools:** Selenium WebDriver, Selenium Grid, Maven, Sauce labs, Quality Center, QTP, Soap UI

**Bug Tracking Tools:** JIRA, Quality Center

**Databases:** SQL Server,Oracle

**Web Technologies:** ASP, XML, HTML, VB, VB.Net, ASP.Net.

**Testing Framework:** JUnit,TestNG, Appium,Cucumber

**Continuous Integration:** Jenkins

**IDE:** Eclipse, Intellij IDEA

**Servers:** Web logic, Web Sphere, Apache.

**Languages:** JAVA, PYTHON,C/C++, SQL, PL/SQL, VB script, Java Script.

**Repository System:** GitHub, Subversion

**Operating Systems:** Windows, UNIX.

# Work Experience

**Sallie Mae, Reston, VA February 2014 – Present**

**Selenium Automation Engineer**

* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies, Software Development Life cycle (SDLC) using Waterfall, Agile methodologies.
* Developed and implemented robust MVC pattern base testing with Selenium WebDriver which cut down the script development time in half.
* Designed and Developed Test Cases for automated testing using Selenium, TestNG and Eclipse IDE.
* Developed test code in Java language using Eclipse, IDE and TestNG framework.
* Configured Selenium WebDriver, TestNG, Maven tool and created selenium automation scripts in java using TestNG prior to agile release.
* Created test cases, scripts based on functional specification, prepared test data for simultaneous and combined Trade testing.
* Developed Test cases manually and generated Automation Scripts using open source tools like Selenium Web Driver, TestNG, SOAP UI, Maven and Jenkins.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using Selenium Grid and Jenkins.
* Involved in Designing& Developing data driven framework using Selenium WebDriver, TestNG and implemented Java Mail to send the regression result automatically.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using Selenium WebDriver.
* Developed test automation scripts using Selenium WebDriver for regression and performance testing of the various releases of the application.
* Worked on Selenium GUI Object / element verification is done through XPath, CSSLocators.
* Used TestNG Annotations in Selenium WebDriver and executed a batch of tests as TestNG suite.
* Used TestNG framework to run unit test and Maven to build the Project.
* Extensively used Page Objects design and page navigation framework for readable test script and easy maintenance from developer perspectives.
* Created XML based test suit and integrated with Jenkins Server to execute automation scripts on a regular basis by scheduling Jenkins jobs in different test environments with different test configurations.
* Involved in acceptance testing using Cucumber and Selenium WebDriver.
* Involved in validating Sanity, functional, Integration and Regression test suites using Selenium and the request and response of the WebServices (SOA) through SOAP UI.
* Used Firebug to do web based application testing with selenium for the commands and locator application.
* Used SOAP UI tool to test SOA based architecture application to test SOAP services and REST API.
* Involved in WebServices Testing using SOAP UI to create and execute automated functional, regression, compliance, and load tests.
* Involved in executing SQL queries and PL/SQL procedures, functions and packages for backend testing.
* Conducted backend testing using SQL queries to validate data for database.
* Used SQL Queries to verify the data from the Oracle database.
* Used ClearCase, Subversion for code repositories and Maven for the dependencies.
* Worked closely with the Developers in the review and modification of the product and its specifications using Agile-testing methodology.

Environment: Java, Selenium WebDriver, TestNG, Maven, Jenkins, Cucumber, SOAP UI, Eclipse,, TDD, Agile, HTML, XML, XPath, JavaScript, ALM, Firebug, SQL, PLSQL, Oracle, UNIX, Windows.

**Verizon, Silver Spring, MD September 2012 – January 2014**

**Automation Engineer**

* Represented QA function in Agile Sprints.
* Involved in defining scope for testing within the context of each sprint / delivery.
* Developed Selenium WebDriver test cases using Java, TestNG framework.
* Developed automation framework for Selenium WebDriver in Page Object Model Framework.
* Leveraged Java (Eclipse IDE) to access and test various operations. Performed Regression and Integration Testing using TestNG framework and executed assertions.
* Automated regression test cases using Java Responsible in executing Selenium test scripts on different browsers and checked for compatibility
* Developed new and updated existing Automation test cases using selenium WebDriver and TestNG, using SVN as VCS for java based web application, using Maven as Build tool.
* Implemented properties files to read configurations and XPath of elements in the application for better readability of the code.
* Integrated TestNG with Selenium using Eclipse to generate test execution result.
* Had regular meetings with Developers to report various problems.
* Developed ANT Build scripts to run Sanity Test scripts developed in Selenium WebDriver (java).
* Validated the database by executing SQL queries.
* Developed Automation scripts for new enhancements using Selenium WebDriver and TestNG.
* Coordinated with technical support associates to fix proprietary software issues.
* Used Firebug, and XPath to work with the application objects.
* Used Jira for bug tracking.

Environment: Java, TestNG, Java Script, Selenium WebDriver/IDE, SQL, UNIX, ANT, Jira, MySQL.

**Wells Fargo, Richmond, VA May 2010 – August 2012**

**Automation Engineer**

* Responsible for periodic updating of Test Plans and Test Cases as per Requirement Specifications and Business rules.
* Developed automated scripts using Selenium RC and Implemented Frame work for Selenium RC scripts using Java.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using Selenium RC.
* Involved in Automation of the test cases using Selenium RC, Junit and Ant.
* Create Junit HTML test report for the entire test suite.
* Developed Java based library to read test data from XML & Properties files using Junit and Selenium.
* Parallel, Cross-Browser Testing using Selenium GRID and Junit.
* Configured ANT build scripts to run tests, develops reports and send notifications.
* Used Selenium RC for testing different browser, Selenium Grid for checking instance of server and Selenium IDE for record and playback.
* Conducted Regression Testing whenever some code module was changed identified risks and developed mitigation strategies.
* Performed Regression testing on new builds, every modification in the application using Selenium RC.
* Performed regression testing using QC by modifying and documenting the existing scripts.
* Performed back-end testing using SQL queries to validate the data in the back-end SQL Server.
* Executed automated testing in QC to test the front-end functionality of the application.
* Used HP Quality Center for viewing and analyzing test results and also for defect tracking and reporting which occurred during execution of test scripts.
* Wrote SQL queries for validating the data mapping and data integrity.
* Involved in status reporting, project meetings and project planning with the team.

Environment: Java, Selenium (RC/IDE/Grid) QC, Junit, Ant, Soap, MS Word, MS Excel, Oracle, Windows.

# Education

* **B.S. Economics,** George Mason University, VA
* **Associate of Science in Computer Science,** Nothern Virginia Community College, VA