**Suruchi**

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**415-347-8330**

**Sr. Selenium Automation Engineer**

**SUMMARY:**

* Over 11+ years of professional experience in IT field with expertise in Enterprise Application Development and Testing with increasing responsibilities involving Analysis, Architectural Design, Development, Implementation and Testing of web/cloud based and client-server applications using Java/J2EE and C# Technologies.
* Expertise with Agile and Scrum Methodologies.
* Experience with ATDD, BDD, SDLC and STLC methodologies.
* Effectively implemented different QA methodologies, policies, strategies, and plans in all stages of Software development Lifecycle (SDLC) and Experience in Testing Life Cycle (STLC): Including requirement analysis, test planning, test case development, environment setup, test execution, test results, test cycle closing, Defect Tracking through JIRA bug tracking tools.
* Experience in testing web and cloud-based applications built using java and .Net technologies.
* Extensive experience in testing salesforce classic and salesforce lightning applications and testing customer facing salesforce apps.
* Have good experience with automation framework: TestNG/Junit framework, Keyword driven framework, Hybrid driven framework, Cucumber-BDD, Page Object Model and Data Driven.
* Hands on experience using messaging services like Rabbit MQ, Kafka, JMS.
* Strong experience in using Java and C# for Cucumber to implement test scripts in Selenium for automation.
* Experience in working with open-source tools Selenium (Selenium RC, Selenium Web - Driver), Selenium Grid, TestNG, Cucumber, JavaScript, MAVEN, REST ASSURED, IntelliJ and preparation of automation test framework.
* Extensive experience in testing Rest and SOAP web services using SoapUI, SoapUI Pro and Postman.
* Experience writing queries in PL/SQL, SQL, and Azure cosmos db.
* Lead Quality assurance efforts that align with product objectives and develop scalable solutions.
* Help tackle cross-platform engineering challenges and contribute creative ideas to the improve quality.
* Work closely with the Quality development and product teams to ensure the quality assurance process is in place and adhered to including SME to SME reviews, QA automation pipelines are being used and have full visibility, adding and improving QA workflows within the CI/CD pipelines, ensuring SME input into the quality checks.
* Leads the effort to troubleshoot defects and or enhancements to systems and software. Tracks performance and production issues. Escalates production issues as appropriate. Supports users during post-implementation testing.
* 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.
* Good Experience in using Configuration management tools like Sub Version, Team Foundation Server (TFS), GitHub, and Build management tools like MAVEN.
* Hands on exposure to multiple Application Servers like Tomcat, JBOSS EAP Server, EC2 and WebSphere.
* Extensive development experience in object-oriented analysis, design, and programming throughout complete software development life cycle.
* Hands-on experience with automated build tools such as Maven and continuous integration using Jenkins and Bamboo Build.
* Experience using Project Management tools such as Atlassian JIRA, Confluence, Fisheye and Crucible.

**TECHNICAL SKILLS:**

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| --- | --- |
| Methodologies | Waterfall, Scaled - Agile/Scrum |
| Testing Tools | Selenium WebDriver, TestNG, Selenium IDE, Selenium RC, Selenium Grid, JUnit, TestNG, Auto It, Robot Class, Action Class Cucumber, Soap UI, QC, ALM, Post Man , Appium,Salesforce, JMeter,Hp Load Runner, Spec Flow, Kafta |
| Test Build & Integration Tools | Maven, ANT, Jenkins, Bamboo, Docker |
| Frameworks | Keyword Driven, Data Driven, Hybrid, Page Object Model (POM), Test Driven Development (TDD), Spring MVC, Spring Boot, ATTD, BDD. |
| Programming Languages | HTML5, CSS, JAVA, J2EE, SQL, C, C++, XML, JSP, Angular JS, jQuery,Java Script, Gherkin , YAML, AJAX, JSP, JDBC, JNDI, XML, Web Services, SOAP, Junit, Spring boot, Selenium. |
| Web Services & Database | SOAPUI (SOAP, REST), SQL Server, Toad DB2, Postman, Rest Assured, PL/SQL, MongoDB Oracle11g, CosmosDB. |
| Defect Tools | JIRA, Rally, HP Quality Center, Bugzilla |
| Operating System | UNIX, LINUX and Windows XP/Vista |
| Performance Testing | Hp Load Runner, Jmeter |
| Utilities | Eclipse, IntelliJ, Visual Studio, Visual studio Code, SVN, Git, Fire Bug, Fire Path |

**PROFESSIONAL EXPERIENCE:**

**Project: PODS**

**Sr. Automation Engineer/SDET**

**10/ 2019 to current**

**Responsibilities:**

* Review and interpret all documentation related to development, testing, including business requirements, user stories/acceptance criteria, and functional and design specifications, to provide input to the project team regarding the planning of testing activities.
* Worked in Agile/Scrum and in-sprint test automation development for Behavior Driven Development methodology
* Participating in defining automation strategy and applying appropriate automation technologies to meet the short- and long-term goals of QA department.
* Developed automation frameworks using technologies: Java/J2EE,JUnit, TestNG, Cucumber, Java Script, SeleniumWebdriver, SQL, Docker zallenium/Selenium Grid, REST Assured, JSON, XML, IntelliJ, Apache Maven and GIT.
* Created/ managed salesforce orgs with different licenses, while performing functional and automated tests for the same.
* Worked on gathering requirements and setting up Einstein(ML algorithm) recommendations in Salesforce applications to offer product and content recommendations.
* Managed individual sprints, user stories, Test defect cycle, and tasks using JIRA as tracking tool
* Involved in Parallel and Cross Browsing Testing using Selenium GRID and TestNG.
* Strong understanding of Core Java, creating and consuming RESTful APIs, Spring Core, Spring Boot, Spring MVC, Scheduling Cron Jobs.
* Implemented Hibernate to persist the data into Database and wrote HQL based queries to implement CRUD operations on the data.
* Develop and run new utilities / tools to be integrated with automation framework using Object-oriented and Object/service-oriented design concepts, including knowledge of data transfer objects and associated design patterns.
* Build and maintain testing frameworks for big data environments that are highly secure, scalable, flexible, and performant using appropriate Java and SQL technologies.
* Developed and executed SQL queries in the database to conduct data integrity testing by checking the data tables on the server
* Created Kafka message Queues,topics and env using chef scripts
* Experienced in implementing robust test cases. Integrated with Continuous Integration tools Jenkins for running test on regular basis automatically.
* Executing the Automaton scripts through Atlasssian Bamboo Integration tool on Docker containers after each Sprint and adding them to existing CI-CD pipeline to run the tests on daily basis with a schedule trigger job to validate the existing code is functioning properly after code deployment. Any failures will be tracked in AWS cloud watch logs and fixed.
* Executed the test plans on web and mobile (Apple & Android) as per requirements using Appium tool.
* Executing tests for Customer Account web service, Document service, Ordering service, Container service API’s for GET, POST and PATCH methods using API testing tools POSTMAN and SOAPUI.
* Validating API’s for 200, 400, 404, 500 HTTP status codes, switching test environment between IN and DEV and adding assertions to verify the expected results by parsing XML and JSON responses and generating Newman reports and presenting it to the team.
* Developing test automation or combination of development in Java and test automation experience using Selenium Web driver -Hands on experience on test automation of APIs (SOAP/REST services) -Experience working in a CI/CD environment like Jenkins for executing automated tests
* Experience in building an automation framework and automation suite from scratch for WebApplications running on cloud servers/system using Microsoft Azure.
* Keeping up with evolving testing tools, techniques, and strategies to improve the overall testing efficiency, processes, and best practices.
* Leading automation team of 5 members (monitoring daily team status updates, assigning tasks, troubleshoot the code compilation errors / automation test execution errors and recommend the fixes , Functional/Regression suite creation , Jenkins/Bamboo build creations , responsible for Continuous development and continuous Integration and code review meetings).
* Involved in creating Test Plan and prioritize the daily and weekly deliverables and status update to QA manager and the Client manager and actively participate in team meetings and work progress meetings.
* Prepared detailed test plans and test cases which specifies testing overview and testing approach depending on the business and technical requirements.
* Developed Tractability Matrix and wrote a suite of Test Scripts that included Acceptance, Functional and Regression test cases using qtest and ADO test case management.
* Collaborate and communicate technical details effectively with DevOps, Developers, BAs, and Product Owners to get accurate technical and business requirements for every story.

**Project: BBVA Compass Bank, Birmingham, Alabama**

**Sr. Automation Engineer/ SDET**

**05/2016 to 10/2019**

**Responsibilities:**

* Gathered requirements and application information from Business Area Managers (BAM) and Subject Matter Experts (SME's) and Implemented Code and developed test cases.
* Involved in design and implementation of Selenium WebDriver automation framework for smoke and regression test suites (TestNG and Maven).
* Involved in writing Feature files (Consists of multiple scenarios) using CUCUMBER (Gherkin language).
* Developing the code based on scenarios and parallel continuous integration.
* Proven ability in developing Test Automation using Cucumber and Spec Flow for BDD using Gherkin scripts and writing Step Definitions for behavior in Selenium using Java.
* Developed new and updated existing Automation test cases using Selenium WebDriver and TestNG, using Git and Source Tree as VCS for a Java based Web application, using Maven as build tool and Jenkins to create and run deployment jobs.
* Developed and implemented robust MVC Pattern base testing with Selenium WebDriver which cut down the script development time in half.
* Configured Selenium WebDriver, TestNG, Maven tool and created selenium automation scripts in java using TestNG prior to agile release.
* Designed and developed automation framework using Page Object Model for Acceptance test driven development.
* Developed automation scripts for validating AWS cloud watch logs in EC2 instance.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using Selenium Grid and Jenkins.
* Experience in testing salesforce classic and salesforce lightning application’s and created multiple in Orgs with in different Env’s
* Automated the salesforce lighting application and integrated in the CI/CD Pipeline.
* Developed automated tests for continuous regression testing and reducing manual testing using Selenium, TestNG, Maven and used REST ASSURED API for automating Web services.
* Implemented Automated execution of tests (nightly and need based) using Maven and JENKINS.
* Tested applications in different types of browsers and versions, such as Internet Explorer, Firefox, Google Chrome to simulate production environment.
* Experience of over six months in Mobile Automation Tool Appium for Native apps, Web apps, Hybrid apps with Exploratory Testing on Mobile and Tablet Devices in iOS and Android Platforms
* Expertise in performing Android Emulators & IOS Simulators for Mobile Automation Testing using Appium for Native, Hybrid and Web Based mobile applications.
* Designed, maintained and executed Automated Integration framework of API/Web Services across multiple test and production environments using SOA test.
* Created custom JSON/XML Assertors, for validation of SOAP (WSDL), and REST API calls, and Data Banks for storing and analyzing data input/output and error codes.
* Conceptualized, designed, and implemented automated functional API test cases using Java, SOAtest, REST API and SoupUI.
* Built a framework for continuous support for future releases.
* Collaborated daily with QA leads to improve test coverage across platform using Java (TestNg, SOAtest) and scripting languages (JavaScript, XML).
* Used SQL Queries in performing data validation to ensure data accuracy and data integrity by testing back-end components of new data warehouse products.
* Used Jenkins pipelines to drive all automation test builds out to the Docker registry and then deployed to Kubernetes.
* Actively involved in QA Testing (UI and API) and collaborating with off-shore QA personnel on current projects and documenting and reporting defects and test results in JIRA.
* Extensively used Quality Center / ALM for test planning, bug tracking and reporting.
* 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.
* Improving product quality by writing Test Cases in Application Life Cycle Management (ALM), executing it, defect fix verification, Smoke Testing, Regression Testing, End-to-End Testing in the Amazon Cloud environment and coordinating with business analyst, project manager, product owner and developers

**Infinity Auto Insurance, Location: Birmingham, Alabama**

**Sr. Automation Engineer /SDET**

**04/2015 to 05/2016**

**Responsibilities:**

* + Analyzed Functional Requirements and Business Specification as part of Static Testing on earliest stages of SDLC
  + Automated test cases, test suites for Regression Testing via Selenium WebDriver, Java for existing application.
  + Insight into Java/J2EE technologies such as Core Java, Servlets, JSP, JDBC, spring, Hibernate.
  + Broad knowledge and hands on experience in Web development using HTML, DHTML, AJAX, CSS, JavaScript, jQuery.
  + Expertise in frame works like spring,Hibernate, Struts and JSF.
  + Executes Restful Web services using Spring MVC Rest frameworks.
  + Involved in creating and consuming SOAP based and Restful web services using WSDL, JAX-WS, SOAP UI,JAX-RS and JERSEY framework.
  + Experienced in working with Jenkins for Continuous Integration (CI) and Continuous Deployment (CD).
  + Involved in automated testing using Selenium, JUnit, TestNg frameworks.
  + Developed Automation framework from scratch using Maven, TestNg with java programming language.
  + Expert in data driven Automation with java using POI API and validation data from application, Database and Excel.
  + Writing feature file with Gherkin language for business logic and test cases, enhance the scripts and synchronize, debugging the scripts and save the time for regression testing.
  + Responsible to automate REST Web Services API's request and to get valid JSON response for the following methods like GET, POST, PUT and DELETE Using REST ASSURED .
  + Performed Property transfer and validated JSON response for multiple sets of test data
  + Experience in performing Automation  for REST web service using Maven projects integrated with TestNG and JUnit frameworks.
  + Automated test scripts by using Selenium Web Driver, TestNg, Java, JavaScript, Maven, YAML, XML and REST ASSURED.
  + Automated Mobile Automation framework, scripting & execution Sanity, Regression & Boundary test cases for Mobile Application on Android for different platform devices using Appium.
  + Performed parameterization of the automated test scripts in Selenium to check how the application performs against multiple sets of test data.
  + Responsible for regression testing using manual testing, executing Automation scripts for Mobile, Web application.
  + Responsible for Acceptance Test Driven Development and Exit Criteria for the Manual and Automation testing.
  + Maintaining the Quality assurance standards with the company Business rules.
  + Performed Back end testing by writing SQL queries using various commands, functions, Joins and Union.
  + Packaging and Continuous integration the test cases by using Jenkins.
  + Building the Test cases using Maven Project and run the batch testing.
  + Coordinating QA, SIT and UAT sessions and executed UAT scenarios with end users for final approval and user sign-off.
  + Developed Data Driven Tests using QTP and HP ALM QC and automated functional testing.
  + Involved in Test Data Creation from the front end using QTP for End to End testing. Involved in Performing Regression Testing using QTP.
  + Logged defects encountered in the application through Bugzilla during test cycles and conducted fix verification. Worked on Agile/Scrum methodology.
  + Responsible for execution, defect reporting and fix verification using manual and automated techniques to have test plans in place and executed according to our release schedules.
  + Acted as liaison between development and business teams - provided visibility and clarity into business requirements to the development teams, and provided design and architecture insights to the business teams
  + Attended Demos, met with Client for UAT, and providing QA Sign-off on the testing.
  + Working closely with project manager/Test Lead and Project team to learn about the project functionalities and provided testing timelines.

**Stylecraze, Hyd -India**

**Automation Engineer**

**11/2011 to 11/2013**

**Responsibilities:**

* Involved in creating project plan, test plans, estimations, development tracking projects, Test Case Preparation and Test Case Execution.
* Analyzed application to find out which part can be automated and which can be manually tested.
* Created Test Cases and scenarios for Regression, Integration as well as Back -end and System testing.
* Worked closely with clients in gathering and reviewing the business requirements for each Sprint/Release.
* Performed and planed regression, integration, functional, system compatibility and User Acceptance testing.
* Responsible for tracking and reporting defects using **JIRA** and store and maintain the Test Repository and Document Generation.
* Used **JIRA** to Performed Regression Testing for the new builds using **Selenium** **WebDriver**.
* Developed Web Service Test using Postman and Rest API.
* Developed Hybrid framework for web automation using Java, **Selenium** **WebDriver**, **TestNG**, **MAVEN** and Jenkins.
* Designed and build Automation Framework for web-based software products using Page Object Model (POM) design using Page Factory in **Selenium** **WebDriver** to reduce code and better maintenance.
* Performed BDD (Behavior Driven Development) with Data Driven Test Automation Framework using **Cucumber** Features, Scenarios and Step Definitions in Gherkins format.
* Created and executed multi-action scripts based on test script/scenario flows.
* Coordinated the UAT testing by guiding the users during UAT.
* Interacted with the developers to get an estimate and to resolve technical issues.
* Created several custom reports from Test management tool those were helpful for management to understand overall Testing status of the entire project.
* Prepared Weekly reports and built status reports.

**Accendere**

**Java Programmer**

**05/2010 - 10/2011**

**Responsibilities:**

* Involved in design and development of the application using SOA (Service Oriented Architecture) with java Web Services / J2EE technologies.
* Involved in designing and implementing the User Interface for the General Information pages and Administrator functionality.
* Designed Use Cases, Class Diagrams, and Sequence Diagrams using Visual Paradigm to model the detail design of the application.
* Developed application using Spring MVC framework and used Hibernate for Oracle database connection.
* Used Log4j for the logging the errors.
* Written SQL queries, stored procedures and functions to perform CRUD operations.
* Mapping of the servlet in the Deployment Descriptor (XML).
* Used HTML, JSP, JSP Tag Libraries, and Struts Tiles develop presentation tier.
* Deployed application on JBoss Application Server and also configured database connection pooling.
* Involved in writing JavaScript functions for front-end validations.
* Performed unit tests and integration tests of the application.
* Used CVS as a documentation repository and version controlling tool.

**Education**

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| **Master’s in computer science** | **University of Central Missouri (Missouri)** | **2014 - 2015** |
| **Bachelor’s in computer science** | **JNTU - Hyderabad** | **2006 -2010** |