Shilpa Chidaravalli

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# Professional Profile.

* Over 8+ years of successful Quality Assurance experience and QA Automation Tester.
* Designing detailed and preparing software test plans, developing and executing test cases, based on

Business requirement documentations.

* Strong Knowledge and experience of all phases of SDLC (Software Development Life Cycle), and QALC (Quality Assurance Life Cycle).
* Skilled in developing and executing test cases manually and developed automation script with
* Selenium WebDriver, TestNG, Cucumber and Jira.
* Experience in writing test scripts using Selenium, maintaining and generating reports, perform code

reviews, raise and follow-up on bugs.

* Extensive experience in developing and maintaining Automation Framework using Behavior-driven development (BDD), Data Driven Testing (DDT) frame work bases on Page Object Model (POM).
* Sound knowledge on **Junit/TestNG** framework for Unit testing, Maven and Ant for Project building

tool, Jenkins for Continuous Integration.

* Experience include Unit testing, Functional testing, User Acceptance Testing, Integration testing, **System testing, Performance testing, Sanity testing, Exception testing, Compatibility testing,** **Security testing of client/server and Web base** Applications.
* Experience in creating Test Plans, defining Test Scenarios and Test Cases, developing and maintaining test scripts, analyzing bugs, coordinating with development team and track the bug fixes till closure.
* Experience in API automation using Postman.
* Experience with testing web services using Postman and XML.
* Expertise in database querying, data manipulation and population using SQL in Oracle and SQL Server.
* Ability to collaborate with testers, business analysts, developers, project managers and other team

members in testing complex projects for overall enhancement of software product quality.

* Self-starter and team player with excellent communication, problem solving skills, interpersonal skills and a good aptitude for learning.

# Publications.

“Using Random Forest Algorithm for Accessing Variable Importance in Large Datasets” in Proceedings of International Conference on “Emerging Research in Computing, Information Communication and Applications”, ERCICA ISBN: 9789351072607.

# Computer Skills& Abilities.

**Operating System :** Windows, Linux, UNIX, IOS.

**Automation Tools :** Selenium WebDriver, TestNG, Junit, Cucumber, Postman, Rest Assured.

**Testing Tools :** Selenium, Jenkins.

**Database :** MY SQL, Oracle, MongoDB.

**Languages :** Java, Python, UNIX shell scripting.

**Markup Languages :** HTML, XML, XPath, CssSelector.

**SDLCs :** Agile, Scrum.

**Tools :** SFTP, ECLIPSE, [IntelliJ](https://www.jetbrains.com/idea/) , MAVEN, PUTTY, SSH, Talend Studio.

**Frameworks**  **:** Junit, TestNG, BDD, Rest Assured, TDD.

**Packages :** MS-Office, MS-Access, and MS-Excel

# Experience& Work History.

**Test Automation Engineer | Citi Bank (TX-*Irving*)| [March 2021- Dec 2023]**

* Create and execute manual and functional automation test scripts
* Performed validation on API responses using POSTMAN tool.
* Executed select, update queries as part of the back-end validation in Database.
* Automated all the functional validation steps performed in UI using selenium automation suite.
* Executed regression testing as part of the release activity using selenium.
* Responsible for identifying the test cases for automation
* Created the feature files for Cucumber automation
* Handled responsibilities of implementing the Automation framework
* Implemented BDD through Cucumber
* Used Hooks, generated html reports in Cucumber
* Used Maven to build and run the Selenium Automation framework
* Developed automation tests in JAVA using Eclipse, Selenium WebDriver, Cucumber, Gherkin, JUnit
* Integrated with Jenkins for running test automatically on regular basis
* Maintain code versions through GIT.
* Used Log4j to monitor the test execution
* Work closely with developers to resolve the logged in bugs
* Used JIRA for bug tracking and reporting

**Test Automation Engineer** |**Artha Data Solutions *(AZ-Scottsdale)*** | **[May 2018-Jan2021]**

* Analyzed Business Requirements Documents and Identified documents requires for system and Functional

 testing efforts for all scenarios.

* Involved test case design, test case review, and code review meeting with the team.
* Involved maintaining regression automation tests scripts for end-to-end testing using Selenium Web-Driver

 using Java.

* Developed Behavior Driven Development (BDD) tests using Cucumber by Writing behaviors and step definitions.
* Used Jenkins tool for continuous integration.
* Executed manual/automated test scripts to analyze the results to evaluate the applications.
* Implemented automation using Selenium Web-Driver, Python, and Maven.
* Building end to end API service using Python modules.
* Responsible for creating and maintaining automation acceptance test suite using Selenium and Cucumber.
* Implemented Page Object Model and Behavioral Driven in Selenium Web-Driver and Java.
* Used Maven for Build management, Git as source repository and Jenkins for Continuous Integration.
* Performed Smoke Testing, Functional Testing, System Integration Testing, Regression Testing, Database Testing.
* Web-Driver using Java programming language and TestNG Framework.
* Performed Back-end testing using SQL.
* Wrote SQL queries to perform data validation and verification.

**QA Analyst| Moody’s Analytics *(MA-Waltham)* | [Jan 2018-May 2018]**

* Provided regular feedback to Scrum team for bugs/performance issues found during development lifecycle.
* Worked directly with software developers, test engineers, product owners, and project leaders.
* Worked with automation team to create and improve test automation framework with Java.
* Created new and updated existing automation test scripts using Java, Selenium WebDriver, and TestNG.
* Developed various types of tests, such as Regression, Smoke, Integration, Acceptance and others.
* Implemented Maven Build tool by configuring the POM file with all required Jars and maintained the POM file.
* Committed automation test scripts to GitLab and used Jenkins to run automation tests as part of the build process.

**QA Analyst**| **State Street *(MA-Boston*)** | **[May 2016- Nov 2017]**

* Analyzed the system requirements, developed detailed test plans and test cases, and provided testing documentation when requested.
* Collaborated with product management teams in a waterfall environment to develop a comprehensive set of tests for web-bases applications
* Developed Test Strategy and Test Plan to ensure that test cases reflect user needs for the functional Performance and Usability.
* Maintained and updating using SQL Queries to validate data integrity database table.
* Manually verified the validity of failed test cases, logged the defects and assigned then to the development team
* Identified program variance from functional requirements, and recommended modifications for standardization and increased usability.
* Prepared Test Cases for service appointment creation, modification and deletion.
* Generated test scripts and performed functionality testing

**Research Assistant** | **Crucible of Research and Innovation (*KA-Bangalore*)** | **[Dec2012-Nov 2014]**

* Collect, partition and label the datasets employed required by the project.
* Investigate and evaluate data-mining methodologies and techniques.
* Collaborate in the development of academic papers and technical reports as agreed with the project team.
* Undertake the work-plan as defined in the Collaboration Agreement
* Maintain effective communication between the University and Industrial partners.
* Participate in regular project team meetings and actively contribute to review meetings.

# Education.

TEXAS A&M UNIVERSITY | TEXAS| [JAN 2015 – MAY 2016]

##  Master’s| Computer and Information Sciences

VIVESWARYA TECHNOLOGICAL UNIVERSITY| karnataka-Bangalore | [**AUG 2007- JUL 2011**]

Bachelor's of Technology| Information Science and Engineering.

# References.

Provided upon your request