**Sai Krishna**

**Test Automation Engineer**

**Phone: 424-375-0574**

**Email: Krish.nsk10@gmail.com**

# **PROFESSIONAL SUMMARY:**

* Around **5 years** of QA experience and Expertise in functional testing AUT and Selenium Web Driver using Junit / TestNG testing framework.
* Hands on experience in **Quality Assurance including Functional, System, Smoke, Regression**, and **Integration, User Acceptance Test (UAT)** and Compatibility Testing of Web and Client server based Applications.
* Expertise **in Selenium WebDriver, Selenium Grid an Cross-Browser and Compatibility Testing** to see the behavior with different browsers and in different environments**.**
* Proficient **in Java** and have sound knowledge on **OOP (Object Oriented Programming)** concept.
* Exhaustive Experience in Designing & implementation of Automation Frameworks including **TDD, BDD, data driven, keyword driven**, **POM** and **hybrid** using **Selenium WebDriver, Cucumber, JavaScript.**
* Experienced **Agile** methodology for project execution, and implemented **Scrum** story writing, estimating and actively participated in daily Scrum meetings to discuss the bottlenecks and the status of the tasks.
* Experience in Manual and Automation Testing of **Web Services/Mobile Apps, Client Server** and **Web based Applications** in different domains using Selenium, SOAPUI, Cucumber.
* Experience understanding the code written in different programming languages **Java Script** and databases like **Oracle, SQL Server.**
* Proven ability in developing BDD scripts with **Cucumber** and writing step definitions, features in Gherkin.
* Used **Selenium** as a Primary tool for Functional Testing and **Cucumber** as a Secondary tool for entire Regression Testing.
* Extensive experience in using Automated tools like **Java Cucumber** for **BDD**, **Features**, **and Scenarios**.
* Implemented CI CD using **Jenkins** and configured **Maven** Build using Jenkins scheduled jobs. Launched **Regression** Testing via Jenkins.
* Excellent experience with source version control tools such as Subversion **(SVN) & Git**.
* Proficient as Mobile App Tester in testing Web applications and Mobile applications on **iOS** and **Android Platforms.**
* Built JavaScript based test framework **using Protractor, Jasmine, webdriverio, node.js, angular.js**.
* Wrote **TestNG** test suites, implemented **Parallel** Processing and Cross Browser testing with annotations like @**BeforeTest, @BeforeMethod**.
* Experienced in load and performance testing tool **JMeter**.
* Excellent analytical, problem solving, communication and interpersonal skills along with a good attitude for learning.

# **TECHNICAL SKILLS:**

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| **Testing Tools** | Selenium WebDriver/IDE/GRID/RC 2.4, HP Quality Center, JMeter, Cucumber, Firebug, FirePath, Fitnesse, Soap UI, Coded UI, GIT, LISA, Microsoft Visual Studio, Android Studio, Protractor, Jasmine, |
| **Programming/Scripting**  **Languages** | Java, JavaScript, Shell Script, C, C#, HTML and XML. |
| **Frameworks** | TestNG, JUnit, TDD, BDD, Data Driven, Keyword Driven, Hybrid and Modular Frameworks, ATF (Automation Test Framework), Page Object Model, and Backend Testing. |
| **Testing** | Integration, Functional, Regression, Performance and Load Testing, Manual Testing, Black Box and White Box Testing. |
| **SOA Technologies** | SOAP, REST, WSDL, Web Services and SOAP UI. |
| **Bug Tracking Tools** | HP Quality Center, Bugzilla, Visual Studio TFS, JIRA |
| **Methodologies** | Agile, Scrum, Spiral and Waterfall. |
| **Build/ CI Tools** | Ant, Maven, Jenkins, Gherkins and Hudson. |
| **Databases Technologies** | MS SQL Server 2008/2012, OLAP and OLTP, Oracle, MS Access 2013/2010, SQL\*Loader, DB2 and MYSQL. |
| **Operating Systems** | Windows 10, UNIX and Linux. |
| **Web Technologies** | HTML, XML, CSS, JavaScript, Angular JS. |
| **Firefox Add-ons** | XPath and Firebug. |
| **Networking Protocols** | HTTP,FTP,SNMP and SSH,TCP,UDP,ICMP |

# **PROFESSIONAL EXPERIENCE:**

**State Compensation Insurance Fund April 2018- Present**

**Location: Pleasanton, CA**

**Role: QA Automation Engineer**

**Responsibilities:**

* Perform the different phases of functional testing like **Progression, Regression, System, and End to End**.
* Implemented simulator for mobile App Testing in Android Platform using **Appium**.
* Designed and Developed UAT Regression automation script and Automation of functional testing framework for all modules using **Selenium** and **WebDriver**.
* Developed data driven framework with **Page Object Model** from Scratch.
* Proven ability in developing BDD scripts with **Cucumber** and writing step definitions, features in Gherkin.
* Developed Test frameworks using **Java**.
* Performed **End to End testing of Angular 2** Applications using **Protractor** and Jasmine test framework.
* Performed Manual Mobile Testing using Emulators and IOS simulators.
* Wrote stubs to call APIs to perform the API testing.
* Experience in Networking, Protocols, Access points, Controllers, and Switches.
* Performed **manual** and **automated testing** using testing tools **Selenium Webdriver**.
* Performed Functional Cross-Platform Testing using **Perfecto**.
* Used **Firebug** Tool to identify the Object's id, Name, XPath, link in the application.
* Exported **Test Case Scripts** (Java-Selenium WebDriver) in Eclipse IDE and modified the selenium scripts and executed. Prepared automation test framework (Junit).
* Developed Test Framework in Selenium for **UI Regression** Test Automation and when necessary, and potentially execute **Unit Test** automation (Java/Junit).
* Created Keyword-Driven Automated Frameworks using Selenium WebDriver configured under Eclipse, JUnit environment.
* Performed Testing user experiences on Mobile QA, experience on android/ios / Chrome testing.
* Used the bug tracking tool **HP Quality Center** (HP QC) for Running Tests, Raising, Tracking, Managing Defect and Reporting.
* Performed data drove testing by using **JDBC** and **Groovy script** as a data source in **SOAP UI** and configured.

**Environment**: Java, Micro Services, Selenium Webdriver, Perfecto, Appium, Java, JMeter, Gherkin, JQuery, Maven, Protractor, Cucumber, Oracle DB, Perforce, Grinder, JMeter, Quick Test Pro, Quality Center/Test Director, Bugzilla, Team Track, Eclipse.

**Goldman Sachs May 2016–March 2018**

**Location: Salt Lake City, UT**

**Role: QA Automation Tester**

**Responsibilities:**

* Developed Test cases and Test scripts for the application under test and finalized the Business Requirements Document (**BRD**).
* Followed **Agile** methodology throughout the project.
* Involved in Automation Environment setup using **Eclipse**, Java, Selenium Jar files.
* Designed the automated test cases using the **Selenium WebDriver** for **UI web Elements**.
* Involved in **Data Driven** Testing using **TestNG** by getting parameters from **XML** file.
* Used **Selenium Grid** to run test cases in multiple browsers and platforms.
* UI validation i.e. tested **Angular JS** based application using **Protractor**.
* Wrote different Test cases, Test Scenarios and tested different modules in the application through Positive and Negative flow of **System**, **Integration** Testing.
* Used **Selenium** as a Primary tool for Functional Testing and **Cucumber** as a Secondary tool for entire Regression Testing.
* Analyzed Business requirements, Functional Designs and UX designs to develop Functional test cases.
* Testing **REST API’s** using **JSON** messaging format and automated test cases using Groovy.
* Performed automated acceptance tests written in **Java** implementing BDD Framework using cucumber.
* Created data-driven automation scripts for testing REST full Services using **SOAP UI.**
* Involved in conducting tests on Web services transactions like automatic bill payment, batch payments and Account transfers sent over **HTTP** or **HTTPS** by inspecting every **XML** request and response using SOAPUI data.
* Expertise in performing Mobile Android Application Testing using **Appium**.
* Strong knowledge on Linux commands and automating them using Shell Scripting.
* Performed Load/stress testing through **Jmeter**.
* Worked with distributed version control system like **GIT.**
* Used **MAVEN** for building the project.
* Created XML based test suite and integrated with **Jenkins** Server to execute automation scripts on a regular basis by scheduling Jenkins jobs.
* Experience in **Performance** testing using **HP Load runner**.
* Executed **SQL** queries and evaluate the results Executed the automated regression test cases during every release and also executed the daily regression test suites.
* Documented project progress and tracked defects using **JIRA**.
* Maintained Metrics and participated in the **Weekly Status** Updates showing the progress of the testing effort and open issues to be resolved.

**Environment**: Agile, Selenium WebDriver, Selenium GRID, IDE, Java, TestNG, SoapUI, Appium(Android), Cucumber, GIT, Maven, Jenkins, Firebug/Fire-path, JIRA, Groovy, JMeter, SQL, SQL Server, XML, Linux, Unix, Oracle, Windows8/10.

**CTS June 2014-July 2015**

**Location: Hyderabad, India**

**Role: QA Tester**

**Responsibilities:**

* Manually performed Functional testing that includes Security, System testing, Smoke testing and Back-end testing.
* Developed and executed Test Cases in **Quality Center** based on business requirements and functional specifications.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex SQL queries from **SQL Server**.
* Involved in preparing the Test Plan and Test Cases based on the business and functional specifications.
* Involved in creating the **Data Base Scripts**.
* Conducted Manual Test meticulously and exhaustively for entire application.
* Involved in **Functional** Testing, **Production** Testing, **Regression** Testing, **Cross Browser** Testing, UI testing, Accessibility Testing.
* Identified the initial setup, input data, appropriate steps and the expected responses in the manual test cases.
* Performed End to End Testing and involved in **User Acceptance** Testing.

**Environment:** QTP, JSON, XML, Java, QTP, Appium, Windows XP, IE, Firefox, Mozilla, Quality Center, Cucumber, SOAP UI, REST.