**Srilatha Guduri**

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**Professional Summary**

Results-driven Staff Software Engineer in Test with 11+ years of versatile experience in UI, API, and Mobile Automation within Agile Methodologies. Proficient in all stages of Software Testing and Development Lifecycles across diverse domains. Demonstrated expertise in Continuous Integration and Delivery, utilizing Jenkins, Maven, Git, Gerrit, and AWS. Proven track record in REST API Automation and Mobile Automation using Appium and proficient in Web Services Automation, AngularJS applications, and Behavior-Driven Development (BDD) with Cucumber. Adept at performance testing with tools like Gatling, Apache JMeter, and Locust. Experienced in Distributed and Parallel Testing using Selenium-Grid and TestNG. Familiarity with cloud computing platforms, including AWS, Sauce Labs, and BrowserStack. Well versed with medical device testing.

**Core Competencies**

* Automation Tools: Selenium | WebDriverIO | Protractor | Playwright | Appium | Jenkins | Maven
* Testing Frameworks: Junit | TestNG | Cucumber | Data Driven Framework | Hybrid.
* API Testing: REST assured | HTTP Client | Postman | Swagger | SoapUI
* Performance Testing: Gatling | JMeter | LoadRunner | Locust.
* Test/Defect/Bug Tracking: Rally | JIRA | Quality Center | Bugzilla | TestRail | Xray | HP ALM | Zephyr | Enzyme
* Programming Languages: Java |Python.
* Web Technologies: HTML | CSS | XML | XPATH | AJAX | SOAP | WSDL | REST | SOAP UI | Angular JS | Docker.
* RDBMS: PL/SQL | Oracle 10g | MySQL.
* Scripting Languages: JavaScript | TypeScript | Pyris | Shell Script.
* Version Control: GitHub | BitBucket | Git.
* Cloud: AWS | Kubernetes.
* IDEs: IntelliJ | Eclipse | Visual Studio | PyCharm | WebStorm.
* Operating Systems: Windows | UNIX (Solaris) | Linux (Red Hat) | Mac OS.

**Work Experience**

**Roche Molecular Systems** - Santa Clara, CA **March 2018** - **Present**

**Lead SDET**

* Owned quality engineering tasks; and deliverables while mentoring and helping team members following AgileSCRUM methodology.
* Led a team of 15 Software Development Engineers in Test (SDETs) in designing and implementing test strategies for complex software projects.
* Mentored and coached team members to improve their technical skills and career growth, resulting in a more efficient and motivated team.
* Made technology/engineering choices at an individual & team level while analyzing the impact on deliverables and the entire project.
* Executed PI planning sessions with business, product, and project leaders to decide on the scope, goals & the set/s of increments for product release/s.
* Applied the principles of SDLC and methodologies like Lean/Agile/XP, CI, Software and Product Security, Scalability, Documentation Practices, refactoring, and Testing Techniques.
* Integrated project testing with Jenkins continuous-integration process. Daily work involved working closely with fellow team members to diagnose bugs and formulate solutions.
* Designed, implemented, and maintained automated test suites for web applications using Selenium, WebDriverIO, Protractor, Playwright and Cypress.
* Conducted API testing using Postman and automated API tests using JavaScript, ensuring seamless integration and functionality of services
* Developed test scripts on Rest Assured and Java, TestNG, org.json to perform API Testing.
* Widely used Gatling, Apache JMeter, Locust to perform load and stress testing on web applications.
* Participated in sprint planning, daily stand-ups, and sprint retrospectives as part of Agile software development processes.
* Conducted API testing using Postman and automated scripts, ensuring robust and reliable integrations.
* Comprehensive knowledge in Information Security practices on malware, attack vectors and methods to protect against threats.
* Utilized programming languages (Java and JavaScript) for scripting automated tests and ensuring comprehensive test coverage.
* Integrated automated testing into the CI/CD pipeline, configuring tools like Jenkins and AWS CodePipeline.
* Collaborated with cross-functional teams to adopt and implement ATDD and BDD methodologies using Cucumber.
* Conducted end-to-end testing of web applications, including thorough testing of relational databases (SQL).
* Conducted extensive cross-browser testing using BrowserStack to ensure a seamless shopping experience across different browsers.
* Created a voice assistant skill using Alexa Skills Kit, enabling users to control smart home devices via voice commands.
* Performed mobile testing using Perfecto, identifying and fixing bugs to enhance mobile user satisfaction.
* Provided expertise in the quality engineering, test planning and testing methodologies.
* Identified, isolated, documented, and tracked bugs in JIRA, following through to resolution.
* Prepared technical & test data as needed to the project & test engineers. Assisted model and material preparation as needed by the project.
* Managing and operationalizing Continuous Delivery pipeline applications/tools and infrastructure.
* Collaborated with test engineers to address specific test initiatives such as quality, process improvements, test upgrades, and new test scenarios/cases.
* Constantly followed-up with cross functional teams & test engineers to assure data quality and proper data test procedures are followed.
* Assured proper security procedures are followed for data, process, and testing. Provided timely communications on significant test issues, developments & releases.
* Hands on experience with Micro Services deployments on AWS ECS and EC2 instances
* Hands on experience working with AWS EC2 and S3 environments.
* Promoted test automation in the early stages of development and mentored junior engineers.
* Developed and executed comprehensive test strategies, test plans, and test cases.
* Played a key role in driving test automation practices in agile development methodologies with fast release cycles.

**Ecosystem:** Java | WebDriverIO | Protractor | Selenium | RestAssured | Gatling | Junit | TestNG | GitHub | Bitbucket | AWS | Kubernetes | Jenkins | JIRA | HP ALM | Cypress| Xray | Zephyr | Enzyme | AngularJS | Postman | Postico | IntelliJ IDE | PL/SQL | Oracle. |

**Cisco** -San Jose, CAOctober 2016 - February 2018

**SDET**

* Operated in Agile Scrum Development Environment with frequently changing requirements and features set.
* Worked with Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Gerrit for code review and Jenkins to automate routine jobs. Hands-on experience working with AWS EC2 and S3 environments. Implemented Hybrid Automation framework using Page Object Model, Data Driven testing in Automation framework with Java, Cucumber, TestNG, Maven.
* Developed automation scripts in BDD format using Java, Cucumber, TestNG, Maven, Apache POI and Log4j etc.
* Performed REST API Testing using HttpClient for SOAP/REST web APIs. Also tested manually using Postman.
* Hands-on experience in writing test scripts in Appium (Java+ Selenium) to test mobile application functionality for iOS and Android devices.
* Used Maven, Git, Java, and Selenium Grid to create nightly automation scripts. Analyzed testing results and defects and provided thoughtful recommendations to the development & management teams.
* Experience in JavaScript testing, writing JavaScript test cases preparing Cucumber feature files and automated the feature files.
* Reported the bugs/defects through Rally.
* Performed load testing using JMeter-used thread Groups, samplers, listeners to calculate the average response time.
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.
* Involved in writing automated scripts for Frontend applications using a and Java script.
* Maintained the test suites in current projects with new or modified features, tracking script versions in Git source control systems and source tree.

**Ecosystem:** Java | Selenium WebDriver/Grid | TestNG | Appium | Cucumber | Angular JS | Protractor | Postman | REST HTTP Client | AWS | JMeter | iOS | Android | Rally | Maven | Git | Jenkins | Gerrit | JavaScript | Eclipse IDE | PL/SQL | Oracle.

**Verisk Analytics** - Jersey City, NJAugust 2015 - September 2016

**QA Automation Engineer**

* Worked closely with the developers within the Agile SCRUM team and actively participated in scrum daily standup, sprint planning, sprint review and retrospective meetings.
* Created automation framework using POM-Page Object Model, Data Driven framework and UI Mapping to test web applications using Page Factory.
* Responsible for providing estimates, testing strategies, test plans and test execution summaries.
* Worked to set up the Automation framework using Selenium WebDriver and TestNG features to run test cases in multiple browsers and platforms.
* Used Selenium Grid to create and execute automation scripts for Cross browser testing.
* Involved in performance testing using the JMeter and running with Maven build files on daily basis using the Continuous Integration and deployment tool Jenkins. Utilized Git for maintenance of the different releases of test scripts in central repository.
* Created automation scripts in SoapUI for web services testing in SOAP and REST API.
* Developed shell scripts to execute test scripts on batch process.
* Worked on end-to-end testing of the product for quality, creating and tracking defects in JIRA.
* Used SQL for data integrity testing, captured the SQL statements from the application execution and manually evaluated the results.

**Ecosystem**: Agile SCRUM | Selenium WebDriver/Grid | Eclipse | SoapUI | Jenkins | Git | Maven | TestNG | JMeter | JIRA | Scrum methodology | SQL | Java.

**Sears.com** - Chicago, ILSeptember 2013 - July 2015

**QA Engineer**

* Worked closely with product owners, developers, offshore team, business analyst within the agile team.
* Analyzed business requirements, created testing strategies, and prepared Test Plans, Test Cases, Test Scripts as per Functional and Business requirements.
* Developed Selenium Automation Framework with Java using Hybrid Driven Model (UI Mapping, Data Driven, POM), TestNG, Apache POI and Maven as a build tool.
* Implemented Continuous Integration using Jenkins and performed Regression and Smoke testing without manual efforts.
* Identifying objects of App using UI Automator tool for Android and Appium Inspector for iPhone to use in Appium test scripts.
* Developed test scripts on REST Assured and Java, TestNG, org.json to perform API Testing.
* Developed test scripts using Groovy for data driven testing of SOAP Web Service using SoapUI.
* Involved in migrating soap-based web service testing to REST API testing [XML/JSON].
* Maintain the test suites in current projects with new or modified features, tracking script versions in Git source control systems and source tree.
* Performed testing of the web applications on multiple browsers, such as IE, Firefox, and Chrome.
* Involved in writing SQL queries and UNIX scripts for debugging purpose.

**Ecosystem**: Selenium WebDriver | SDLC | Java | HttpClient | SoapUI | Groovy | Appium | Maven | Git | Xml | Oracle | SQL | UNIX.

**Costco** -Kirkland, WAFebruary 2012 - August 2013

**QA Engineer**

* Understanding the Business requirements, application & functional specifications, & design documents.
* Involved in writing and designing templates for the Test Scenarios, Test Plans and Test cases.
* Interacted with developers, users, and various members of the team to discuss issues, resolve defects, and set priorities.
* Involved in updating and executing test cases according to requirements. Worked on Smoke, Functional and regression test cases based on the requirements.
* Involved in migration from Selenium IDE to WebDriver.
* Developed and implemented Hybrid Driven Automation testing framework utilizing Java, JUnit, and Selenium WebDriver.
* Participated in the technical and test case walkthroughs.
* Reported bugs in the Bug Tracking spreadsheet and JIRA.
* Positive, Regression and User Acceptance Testing.
* Experienced in manual testing and automating SOAP and RESTful Web Services using SOAP UI tools.

**Ecosystem**: Selenium WebDriver | Java | TestNG | JIRA and Various Web Browsers | SOAPUI.

**Education**

* MTech Computer Science – Vinayaka Mission University (India) 2006
* M.Sc. Computer Science – Osmania University (India) 2001
* B.Sc. Computer Science – Osmania University 1999