Raghava Sigireddy   Houston, TX-77479   *ph:8324094123*   *raghava7425@gmail.com*

PROFESSIONAL SUMMARY

- Senior Software Development Engineer creating solutions for web-based applications using Java/J2EE technologies around 12+ years of experience in designing, developing UI and Web Service test automation frameworks for enterprise level web applications. Strong understanding, professionally trained and applied Quality Assurance standards, automated test script design, Selenium using Java, Manual Testing, Automation Testing, End-to-End JavaScript Testing, Analyzing Test Results, Test Planning, Test Execution, Automated UI testing with Selenium WebDriver, Cypress.io, and Katalon Studio with Groovy Script.
- Worked extensively with Struts, JSP, Servlets, Hibernate, Spring, Spring Boot, Web Services and JDBC
- Expertise in developing web applications with MVC architecture using Struts framework.
- Managed projects in Customized Software Development & Cloud Solutions Innovative, and result-oriented leader bringing in productivity improvements, reduction of cost, effort via value addition, & reusable framework
- Well-versed with Web, Mobile, API, Backend automation and along with CI/CD frameworks
- Good Working knowledge with Docker and Kubernetes.
- Experience in REST API and SOAP Web service testing using SOAP UI and REST ASSURED and performance testing using JMETER scripts.
- Experience in creating Junit test scripts using Junit5, HTTP Unit & Mockito.
- Validated the data flow using Kibana, Elastic Stack and Easel.
- Experience in Behavior Driven Development (BDD) testing, Test Driven Development (TDD), Data Driven Testing (DDT), continuous integration and code review practice.
- Knowledge in automating angular based web applications using Java Script and Protractor Framework.
- Well versed with all AGILE (Safe E) ceremonies – PI Planning, Daily standups, Sprint Planning, Backlog Grooming, Sprint Review and Sprint Retrospect.
- Hands on experience with Configuration Management Tool such as Ansible and AWS (EC2,EBS,ELB,ACM, SecurityGroups,RDS,EFS,EBS,Route53,AMI,Autoscaling,CloudWatch,CloudFront,CloudTrail,SQS,SES,Code pipeline, Security Groups and IAM).
- Excellent in software testing life cycle including test plan, test strategy, test case creation, test execution, test reporting, defect maintenance and test closure reports.
- Experience in secure code vulnerabilities and compliance issues in code before DevOps deployment tagged to release related to security scans.
- Identified Secure CWE, CERT, OWASP, and DISA STIG code in Application for security testing.
- Extensive knowledge on Workbook to provide all necessary details and information for a developer to understand and remediate the different issues discovered during the project audit for security scans and send Detailed Security Report which contains info like SCA, WebInspect, WebInspect Agnet, scanned no of lines of code and number of files
- Excellent in software testing life cycle including test plan, test strategy, test case creation, test execution, test reporting, defect maintenance and test closure reports.
- In-depth knowledge of the software development life cycle (SDLC) and excellent analytical and programming skills.
- Strong experience in generating daily/weekly/monthly status reports and metrics.

SKILL SET

Quality Assurance	Selenium, RestAssured, JUnit, TestNG, SOAPUI, JMeter, Cucumber, Protractor
Databases and Tools	Microsoft SQL Server Management Studio, PL/SQL, MySQL, RDBMS, ORACLE, MySQL Workbench, MongoDB
Cloud platforms	Azure Data Lake, Amazon Web Services (AWS), RDS and S3 buckets,EBS

Network Monitoring Tools	Cloud Watch,ELK
Security	Fortify Software Security Center
Web Technologies	HTML, CSS, XML, WSDL, REST, SOAP, JDBC, Servlets, JSP
Languages and Scripting	Java, JavaScript, Bash, Gherkin
Version Control	GIT, CVS, SVN, Stash, Bitbucket, TFS.
IDE's and Tools	Splunk, ECLIPSE, IntelliJ, NetBeans, Spring Tool Set (STS), Jenkins, Maven, Firebug, Firepath, Postman, AWS services, Docker, Ansible
Administration & Security	IAM, (Key Management Service), Cloud Trail

WORK EXPERIENCE

United Airlines, Houston-TX

SSDET   June 2020 to till date.

Responsibilities:

- Used **Selenium Web driver** to run test scripts on different browsers simultaneously.
- Involved in designing the **UI automation base framework** for the company.
- Developed a feature to incorporate **JIRA bugs in test scripts** and provide detailed analysis to the manual QA about the broken features being tested.
- Added the capability to **Rest Assured Java framework** to log request and response of the API calls in the event of failure for easy debugged purposes, Automated 100 + test cases using Katalon.
- Worked on developing the selenium **automation UI framework using Java, Selenium, Maven, TestNG** that promotes the reusability and readability of test scripts written.
- Modified the Selenium Grid setup to **support cross browser** testing with Chrome, Firefox and IE.
- Added the capabilities of **Data Driven Testing (DDT)** to the Selenium UI and API Rest Assured Automation Frameworks using TestNG data provider.
- Object storage-we can store this in to s3(Any type of huge file-like audio, video can be stored)
- IMP transition files will be uploaded to S3 bucket.
- we have restricted (Tested) access based on privileges in S3 bucket.
- we have deducted secure code vulnerabilities and compliance issues in code before DevOps deployment tagged to release through security scans.
- Identified Secure coding standards in application like CWE, CERT, OWASP, and DISA STIG while performing security scans.
- Workbook is used to provide all necessary details and information for a developer to understand and remediate the different issues discovered during the project audit at the time of security scans.
- End-to-End application security scans with the flexibility of testing on-premises and could services.
- Developed dynamic and browser compatible test scripts using Java and JavaScript.
- Modified the framework architecture to support automation testing for both legacy and newly built applications.
- Reviewed the selenium scripts developed by team members.
- Participated in showcase meetings with the clients to analyze the automation coverage and overhead.
- Execute both manual and automation test execution as part of smoke testing, functional testing, system integration testing and automation testing on Web and Mobile applications.
- Write data definition, data manipulation, and data transaction scripts along with session control scripts, transaction scripts, and system control scripts.

Environment:

Selenium API, Java, JavaScript, TestNG, Jenkins, QA Complete, JIRA, Selenium Grid, Git, Stash, CSS, Firebug, Firepath, Selenium IDE, SOAP UI, AWS (RDS, ALB and GSLB(Global solution Load Balancing) routing mechanism)

Chevron, Houston-TX

Senior SDET   Aug 2018- Aug 2020

Responsibilities:

- Automated API test cases for the micro services using **Java, Rest Assured** using the POJO object-based modelling.
- Automated UI test cases by feature using **Selenium, Java, TestNG and Cucumber**.
- Constructed **Selenium Grid** to run tests in parallel to reduce total execution of UI test cases to 2 hours for regression of 500 test cases.
- Added the capability to attach **screenshot** when there are failed tests in UI Selenium Framework.
- Added the capability to **Rest Assured Java framework** to log request and response of the API calls in the event of failure for easy debugged purposes.
- Worked on developing the selenium **automation UI framework using Java, Selenium, Maven, TestNG** that promotes the reusability and readability of test scripts written.
- Modified the Selenium Grid setup to **support cross browser** testing with Chrome, Firefox and IE.
- Added the capabilities of **Data Driven Testing (DDT)** to the Selenium UI and API Rest Assured Automation Frameworks using TestNG data provider.
- Modified the Rest Assured framework to use POJO for casting request and response to promote **maintainability** and **coding standards.**
- Added **reporting** capabilities to both UI and API automation test frameworks using **Extent Reporting.**
- Create a single multi module Maven project for UI and Rest Assured frameworks to leverage API framework utilities in the UI framework.
- Constructed test suites by functionality – Validation, Sanity, Regression and dynamically passed **TestNG groups** during runtime.
- Created **Jenkins pipeline** job to automate test automation jobs for nightly, hourly based on the project requirements.
- Code reviews and mentoring junior team members.
- Developed email notification using Java Mail API to send emails whenever there are test case failures in automated fashion.
- Developed Java based tools to compare JSON responses when migration APIs from one version to other.
- Involved in User Acceptance Testing to support business team in creating test data, defect creation and tracking.

   Environment:
   Selenium, Java, TestNG, JIRA, Jenkins, Maven, Selenium Grid, Git, Firebug, Firepath, Selenium IDE, SOAPUI, Splunk, Postman, Jmeter.

AT&T, Bothell-WA

Senior SDET   Jan 2017 to July 2018

Responsibilities:

- Managing Onsite and Offshore Functional, automation and Security testing teams of 20 global QA l resources.
- Maintain daily releases details, testing status reports and publish to client for bi-weekly invoice
- Work with team members in understanding issues and removing impediments.
- Work closely with clients, information architects, user experience designers, website project managers or scrum masters, producers, usability experts, developers, marketing communications, and business leaders to create and implement projects for Digital Platforms and Sales Tools

- Analyzing complex functional and project requirements and product information, zero in on essential questions, and work with subject matter experts to document clear, concise material, and follow through with on-time delivery for use by multiple constituents
- Identifying and communicating risks, troubleshoot, and follow through with on-time delivery
- Developing and delivering communications and support to internal and external customers
- Ensuring concerns are addressed to the client's satisfaction in a timely manner
- Participate in product backlog meeting and prioritizing the requirements and grooming the team
- Prepare and present periodic status report and project metrics to the senior management and to the customers for governance calls
- we have deducted secure code vulnerabilities and compliance issues in code before DevOps deployment tagged to release through security scans.
- Identified Secure coding standards in application like CWE, CERT, OWASP, and DISA STIG while performing security scans.
- Workbook is used to provide all necessary details and information for a developer to understand and remediate the different issues discovered during the project audit at the time of security scans.
- Used to send Detailed Security scan Report contains info like SCA, WebInspect, WebInspect Agnet, scanned no of lines of code and number of files to Dev teams and higher management for reported issues escalation.
- Experience in building detailed report on Issue Breakdown by Fortify Categories while running security scans.
- End-to-End application security scans with the flexibility of testing on-premises and could services
- Figured out the root causes for failed API calls using SPLUNK logs and notified the developers.
- Configured Database connections in web service test cases using Groovy Scripts for dynamic data retrieval in SOAPUI to support testing at all environments QA, STG, UAT and PROD.
- Closely worked with Release Management Team in doing builds and deploying code into various environments like DEV/QA/STG/UAT along with Quality Assurance team in resolving the defects

Environment:
Selenium, Java, TestNG, JIRA, Jenkins, Maven, Selenium Grid, Git, Firebug, Firepath, Selenium IDE, SOAPUI, Splunk, Postman, Jmeter.

United Airlines, Houston-TX

SDET   Feb 2012 to Dec 2016

Responsibilities:

- Used **Selenium Webdriver** to run test scripts on different browsers simultaneously.
- Involved in designing the **UI automation base framework** for the company.
- Developed a feature to incorporate **JIRA bugs in test scripts** and provide detailed analysis to the manual QA about the broken features being tested.
- Maintained the automation scripts along with continuous changes to GUI with every release.
- Handled various kinds of validations using **CSS selectors** and through robust exception handling mechanisms.
- Developed dynamic and browser compatible test scripts using Java and JavaScript.
- Modified the framework architecture to support automation testing for both legacy and newly built applications.
- Reviewed the selenium scripts developed by team members.
- Identified Secure coding standards in application for CWE, CERT, OWASP, and DISA STIG during security scans.
- Workbook is used to provide all necessary details and information for a developer to understand and
- remediate the different issues discovered during the project audit in security scan reports.
- Used to send Detailed Security Report contains info like SCA, WebInspect, WebInspect Agnet, scanned no of lines of code and number of files
- Participated in showcase meetings with the clients to analyze the automation coverage and overhead.
- Execute both manual and automation test execution as part of smoke testing, functional testing, system integration testing and automation testing on Web and Mobile applications.

- Write data definition, data manipulation, and data transaction scripts along with session control scripts, transaction scripts, and system control scripts.

Environment:

Selenium API, Java, JavaScript, TestNG, Jenkins, QA Complete, JIRA, Selenium Grid, Git, Stash, CSS, Firebug, Firepath, Selenium IDE, SOAP UI.

Direct Energy, Houston-TX

Software Engineer   March 2010 to Jan 2012

Responsibilities:

- Developed the application using **Spring MVC** framework.
- User interface was developed using **HTML, XHTML, JavaScript,** and **CSS**.
- Configured Selenium Webdriver, Maven tool, TestNG and created selenium automation scripts in java using TestNG.
- Worked on Spring Webflow while designing the control part of the application.
- Used Selenium Webdriver for automating functional testing and to identify various critical points in applications.
- Implemented web services using WSDL/SOAP and created web services and clients to use those services
- Spring Framework is extensively used for writing business layer, used Spring IOC for dependency Injection to reduce coupling between classes and Spring AOP for performance monitoring.
- Handled Spring, Hibernate with Oracle Database as backend.
- Implemented test suites for the code using JUnit and Test-Driven Development.
- Designed UML diagrams using UML and Rational Rose.
- Used Ant to build projects and to automate various build artifacts.

Environment:

Selenium, JAVA/J2EE, Spring, Hibernate, JavaScript, ORACLE, JDBC, SOAP, Spring Tool Suite (STS), Stash, GIT, JUNIT, AGILE, UML, JSP, JSTL, Servlet, MAVEN.

Education & Certification

- Bachelor of Engineering – Industrial Production from Swami Ramanand Teerth Marathwada University, Maharashtra, INDIA

- Microsoft® Certified Technology Specialist MCTS