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OBJECTIVE

Possess 7 years of experience in building automation frameworks(web, api) and building automation tools

EXPERTISE

- Experience of **7** years in automation, designing,maintaining & enhancing frameworks.
- Experience on **Agile** methodology.
- Experience in Performance tool like **JMETER**
- Experience in Scripting languages JavaScript & TypeScript.
- Experience on Automation Testing Frameworks (Data Driven, Test NG, Mocha js, Jasmine, Cucumber, BDD, Keyword Driven)
- Experience on **Nodejs**
- Knowledge on **Protractor**
- Hands on experience on building CLI tools using node js
- Hands on experience on building node modules
- Hands on experience on building linters
- Good Experience on **Webdriver.io**
- Extensive knowledge on REST API's
- Experience on CI tools like **Jenkins** and **Azure Devops**
- Web service development using spring boot
- Good Experience on Web Automation and API Automation
- Good Knowledge on Web Automation using **Selenium, Serenity, protractor, webdriverio**
- **API** automation in **JAVA, JavaScript and TypeScript**
- Hands on experience on building Hybrid Framework which supports API and Web
- Hands on experience on handling/Integrating FTP/SFTP/S3 to automation frameworks
- Built Automation Frameworks for data integration platforms
- Automatic API Test Cases creation from Swagger/Yaml file
- Hands on experience on creating virtual services from swagger file
- Good experience on Service Virtualization
- Knowledge on ReactJS
- Experience on JAVA Spring Boot
- Experience on building test products and tools

SKILLS

- Testing Tools : Selenium WebDriver, JMeter, Redwood HQ, Perfecto, WebDriverJS, Rest Client, Rest Assured
- Testing Frameworks : TestNG, MochaJS, Jasmine, Cucumber, Protractor, Webdriver.io, Pytest
- Build Tool : Maven
- CI Tool : Jenkins, azure devops
- Version Control : Git, bitBucket
- Languages : Java, Groovy, Python
- Script : Typescript, Javascript
- Test Management Tool : Jira, azure devops

TRAINING:

- Trained on java in CMC(TCS) for 6 months.

TOOLS BUILT FOR AUTOMATION:

Open-API Validator: Open-API Validator basically a linter to validate swagger file with open api standards and apart from that we have made our own customized rule to validate swagger file like words should be validated against dictionary and words which are used as key in swagger file should be lower camel case ..etc

Open-API validator is a command line tool, where users need to pass swagger file path as argument then swagger file is validated against standard and customised rules. This tool was added as part of jenkins pipeline, so that swagger file is validated for each change.

RR Pair Creator: This tool is all about creating automatic test cases for API based on swagger files. This tool takes a swagger file as input then it traverses through all endpoints, operations and response code then it will create all possible pairs to test that API. All these test cases will be created without manual intervention.

This tool also creates request and response objects based on request and response schema along with request and response, it will take off path params and query params. Based on schema type, dummy data will be used to create request and response objects and path/query params as well.

One more wonderful feature of this tool is auto-managing test cases. auto-managing something like, whenever there is a change in swagger file in feature, this tool will identify the mean difference and will try to create test cases for only cases. This tool designed in such a way that it will not create any duplicate test cases

This tool also supports the bulk execution of swagger files. Users need to zip all his swagger files and upload them. Tool will take care of extracting zip and executing all swagger files in sequential order then will respond back with scenario ID along with try-it URLs. Users directly can use those URLs for testing purposes without changes. Whatever test cases are made

through this tool are almost ready to use, without any changes until the API needs specific data as requested.

APIQ Testing(In-House Product, BackEnd Developer): This product is basically an in-house product for API Automation, which was built by me from zero. This tool has web-UI, where users need to provide necessary details and just click on the run button then the tool will execute and the result will be shown on UI. Users can create, update and delete API Tests from UI and also clone/copy tests. All test cases will be stored against the DB.

This product has a huge assertion library like response assertions(response code, response body matchings) and JSON path assertions and Xpath path assertions, Duration Time Assertions. Users can do multiple assertions on every request.

This product supports stateful services, something like users can extract data from previous responses and can use the same data in subsequent calls. For this we are using some post operations on required API calls.

This product supports parallel execution of test cases. Because of this wonderful feature, there is drastic change in execution time. All stateless API calls will execute in parallel and stateful calls execute in sequential. All execution results will return to UI and also will be saved in DB. Users can execute multiple API single time and can download reports as excel sheets.

This product supports for different protocols like REST,SOAP, DB, Apache KAFKA(in-progress), IBM RabbitMQ(in-progress)

SVGENIE Service Virtualization(In-House Product, BackEnd Developer): This product is all about service virtualization. Developers/Testers will use it for mocking/stubbing. I am part of this product development.

This product supports for different protocols like REST,SOAP, DB, Apache KAFKA, IBM RabbitMQ

IO Automater(JDD Framework): This tool using JDD Framework(JSON Data Driven). This supports JSON based test cases only. Every test case is recorded as JSON. Users need to provide JSON as input, this tool will read json file. Based on key and value pairs in json, UI will be automated. User can create N number of combinations in JSON and submit to the tool from then the tool will take care of it.

This tool supports both UI and API Tests. This tool is also integrated with FTP, SFTP and S3 browsers, users can upload and download files from these servers. This tool is integrated with different ERP/CRM systems API and UI like salesforce, servicenow, magento, shopify, netsuite ..etc. This tool will do json, xml, csv, excel file comparison and writes result in extent reports

IT EXPERIENCE

- Worked as **Senior Automation Engineer** in **Celigo India Pvt Ltd**, Hyderabad from June 2014 to Nov 2018.
- Worked as **Analyst** in **Valuelabs** from nov 2018 to Mar 2020
- Working as **Automation Specialist** in **DBS Bank** from Mar 2020

PROFESSIONAL EDUCATION

- Bachelor of Technology (Electronics & Communication Engineering) affiliated to JNTU, Hyderabad in 2013

WORK EXPERIENCE

Projec1#

Project Name : Integrator
Team Size : 7
Role : Associate QA Engineer
Technology : Java, Selenium
Duration : June 2014 to Jan 2016

Roles & Responsibilities:

- Reviewing the test plan & Design document
- Understanding the requirements and business of the application.
- Performing Manual Testing on functionality of the application.
- Creating Test Scenarios, Test Cases, Test data for the application.
- Executing Test Cases and Generating Test summary Reports.
- Testing activities included Functional, Retesting, Regression, System and Acceptance Testing.

Project2#

Project Name : Salesforce Commerce Cloud – NetSuite Connector
Team Size : 10
Role : Automation Engineer
Technology : Java, Selenium
Duration : Jan 2016 to Dec 2016

Roles & Responsibilities:

- Involved in Automation Infrastructure Development using Selenium.

- Enhanced Test cases using Java programming features and TestNG Annotations.
- Execution of Selenium Test cases and Reporting defects.
- Conducting cross browser testing and parallel test execution.
- Prepared test cases and scripts utilizing TestNG annotations.
- Automated, debugged and resolved issues in test scripts.
- Participated in smoke testing, regression testing and user interface testing.
- Created status reports.
- Formulated and executed test cases as per requirements and design documentation.
- Supported and updated test libraries, applications, scripts and data files.
- Involved in the Scrum meeting.
- Performed Functional testing and Regression Testing.
- Understanding the Functional requirements for the project.
- Keep track of bugs and perform regression testing for every build.

Project3#

Project Name : Integrator.io
Team Size : 9
Role : Automation Engineer
Technology : Java, Selenium
Duration : Jan 2017 to Nov 2018

Roles & Responsibilities:

- Developed Automation Framework using Java.
- Enhancing Framework Depending on Product Enhancements
- Enhanced Test cases using Java programming features and TestNG Annotations.
- Execution of Java Test cases and Reporting defects.
- Prepared test cases and scripts using Java.
- Automated, debugged and resolved issues in test scripts.
- Formulated and executed test cases as per requirements and design documentation.
- Supported and updated test libraries, applications, scripts and data files.
- Involved in the Scrum meeting.
- API Performance testing using JMETER

Project4#

Project Name : Shopify – NetSuite Connector
Team Size : 11
Role : Automation Engineer
Technology : Typescript, Nodejs, WebdriverJS
Duration : Nov 2017 to Nov 2018

Roles & Responsibilities:

- Developed Automation Framework using Java.
- Enhancing Framework Depending on Product Enhancements

- Enhanced Test cases using Java programming features and TestNG Annotations.
- Execution of Java Test cases and Reporting defects.
- Conducting cross browser testing and parallel test execution in Redwood HQ.
- Prepared test cases and scripts using Java.
- Automated, debugged and resolved issues in test scripts.
- Involved in the Scrum meeting.

Project 5#

Project Name : Smart Connectors
Team Size : 24
Role : Senior Automation Engineer
Technology : Typescript, Nodejs, WebdriverJS
Duration : May 2018 to Nov 2018

Roles & Responsibilities:

- Build Automation Framework Development using JavaScript, TypeScript, Mocha js, Expect js ,NodeJs & WebDriverJS.
- Execution of Test cases and Reporting defects.
- Conducting cross browser testing and parallel test execution.
- Automated, debugged and resolved issues in test scripts.
- Formulated and executed test cases as per requirements and design documentation.
- Supported and updated test libraries, applications, scripts and data files.
- Involved in the Scrum meeting.

Project 6#

Project Name : Apiture Developer Portal
Team Size : 14
Role : SDET
Technology : Typescript, Nodejs, WebdriverIO
Duration : Nov 2018 to June 2019

Roles & Responsibilities:

- Built Automation Framework Development using JavaScript, TypeScript, Jasmine, NodeJs & WebDriver.io.
- Execution of Test cases and Reporting defects.
- Conducting cross browser testing and parallel test execution.
- Automated, debugged and resolved issues in test scripts.
- Formulated and executed test cases as per requirements and design documentation.
- Supported and updated test libraries, applications, scripts and data files.
- Involved in the Scrum meeting.
- Built Automation Framework for REST Web-Services
- Built CLI tool using node.js for validation YAML File

- Automated unit test cases for document generation and validating yaml and html file content

Project 7#

Project Name : Bristow and Sutor
Team Size : 12
Role : Automation Engineer
Technology : Typescript, Nodejs, WebdriverIO
Duration : June 2019 to till Mar 2020

Roles & Responsibilities:

- Built Automation Framework Development using TypeScript, TSLint, Prettier, Cucumber, NodeJs & WebDriver.io.
- Execution of Test cases and Reporting defects in Azure Devops
- Conducting cross browser testing and parallel test execution.
- Automated, debugged and resolved issues in test scripts.
- Testing micro services using JMeter

Project 8#

Project Name : APIQ(API inhouse Product)
Team Size : 3
Role : Developer
Technology : Java, Spring Boot
Duration : Mar 2020 to till date

Roles & Responsibilities:

- Creating web services using spring boot
- Supporting of BAU tickets
- Creating new API's to support different features

Project 9#

Project Name : SV Genie(Service Virtualization Tool)
Team Size : 4
Role : Developer
Technology : Java, Spring Boot
Duration : Mar 2020 to till date

Roles & Responsibilities:

- Creating web services using spring boot
- Auto maintenance of test cases from swagger file

- Maintaining Automation test cases version based on swagger file changes
- Built wrapper on Jmeter to execute test cases from Web page
- Exposing/Maintenance of Jmeter API through Jmeter webservice

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place:

Date:

(Santhosh Alluri)