**Deepthi Reddy**

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**PROFESSIONAL SUMMARY:**

* **9 years** of professional experience in **Software Development Engineer in Test (SDET)** with extensive knowledge of Automation Framework Design & Implementation.
* Worked on **Agile (SCRUM) Methodology**.
* Good experience in **manual testing** and **Automation testing**.
* Strong experience with Behavior Driven Development (**BDD**) and Behavior Driven Testing.
* Good Knowledge of Object Oriented programming Concepts (**OOPS**) like Inheritance, Encapsulation, data hiding ,polymorphism and Java Skills.
* Having strong knowledge of various testing methods like Regression and Functional testing
* Good experience in (AI/ML) / Machine Learning (ML), Artificial Intelligence (Al) testing.
* Developed Automation Scripts in **Selenium** for Functional testing, Regression Testing using JUnit and testing.
* Extensive experience in using **WebDriver**, **Rest Assured** to create test scripts in Java for both **UI** and **API** Validations.
* Managed and tracked defects in **JIRA**, and created test case documentation in **JIRA** prioritizing issues based on severity and impact.
* Experience in Integration testing and automation of messaging queue infrastructure like **RabbitMQ**.
* Extensively worked on frameworks like **Cucumber** and **TestNG**.
* Experience in writing Test Plans, Test Cases, Test Procedures and Test Scripts from requirements and Use-Cases.
* Experience in **Oracle, SQL server.**
* Experienced in CI/CD, a key component of a DevOps strategy, to implement Continuous Integration (CI) and Continuous Delivery (CD) using Jenkins.
* Proficient in creating detailed performance test plans outlining test objectives, scope, scenarios, and success criteria using Apache **JMeter**
* Automated Test Development: Developed and maintained automated test scripts in Java.
* Web and Mobile Automation: Created and executed test cases using Selenium for web applications and Appium for mobile applications, ensuring high-quality user experiences across platforms.
* Improved existing automation frameworks using Selenium and **Appium**, integrating best practices.
* API Testing Automation: Automated API testing using Rest Assured, ensuring the accuracy and reliability of **RESTful** services.
* Implemented robust error handling and validation mechanisms in API tests.
* Worked on **TestNG** to manage and execute test suites, utilizing features like parameterization and data-driven testing to improve test coverage.
* Generated test reports using **TestNG**, providing insights on test results and defect analysis to stakeholders.
* Utilized Maven for dependency management and build automation, streamlining the build process.
* Managed test code and collaborated with team members **using Git and GitHub**, ensuring effective version control and code quality through pull requests.
* Participated in Agile ceremonies and utilized **JIRA** for tracking and managing test cases, defects, and project progress and Documented and tracked defects in **JIRA**, collaborating closely with development teams to ensure prompt resolution and maintain high-quality standards.
* Analyzed **JMeter** test results to measure key performance indicators (KPIs) such as response time, throughput, error rate, and resource utilization.
* Experienced in integrating **JMeter** tests into continuous integration (CI) and continuous delivery (CD) pipelines using tools like Jenkins or **GitLab** CI for automated performance testing as part of the DevOps workflow.
* Proficient in configuring custom performance metrics and integrating **JMeter** with monitoring tools like **Grafana**, **InfluxDB**
* Experience in Data Fix validations.
* Experience in Validating **SOAP UI** and **RESTful API** services.

***Education Details:***

**Bachelor of Technology in Electronics and communication engineering from St. Mary’s Engineering College (2011– 2015)**

Technical Skills:

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| **Programming Languages** | Java, SQL |
| **Platforms** | Windows |
| **Web Technologies** | HTML5, JSP |
| **Databases** | Oracle, My SQL |
| **Web/Application Servers** | IBM Web Sphere, PCF, Harness |
| **Build Tools** | Maven |
| **IDE / Tools** | Eclipse, Visual Studio |
| **Testing Tools/ Others** | Selenium, JUnit, Soap UI, Log4j,JMETER, Splunk, Postman, Jenkins, RabbitMQ, Kafka |
| **Version Control** | GIT |
| **Architecture** | Micro services |
| **Methodologies** | Agile, BDD |  |
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Professional Experience:

**Charles Schwab April 2023 – Till Date**

**Role: Sr QA Automation Test Engineer**

**Location: Westlake, TX**

**Description:** To provide a full range of brokerage, banking and financial advisory services through its operating subsidiaries. It offers investment services and products including Schwab brokerage accounts, deposit and lending services.

**Roles & Responsibilities:**

* Working on **Agile Environment** and tested the application under **SCRUM Methodology**.
* Planned, Implemented and documented all aspects of software Testing Life cycles including manual and unit test, integration, regression, stress and performance testing.
* Involving in developing **BDD** Frame work from Scratch.
* Developing and enhanced **ATDDs** and automated scenarios in **Cucumber** framework as per the acceptance criteria.
* Participated in daily **SCRUM** meetings, sprint planning, and retrospectives within a dynamic **SCRUM** team, contributing to agile development processes and timely delivery of real-time features.
* Worked closely with developers, product owners, and **QA engineers** in an agile environment to define acceptance criteria, create and **execute** test cases, and ensure that real-time applications met all functional and performance requirements.
* Adapted to changing requirements in a fast-paced **SCRUM** environment, flexibility and problem-solving skills.
* Worked with NoSQL databases like Hbase in creating Hbase tables to load large sets of semi structured data coming from various sources.
* Sound knowledge on **Junit**, **TestNG** framework for **Regression** and Functional testing
* Analyzing business requirements, Functional Specifications and Use Cases. Preparing Test Strategy and Test plan
* Involved in **Regression** Testing, Functional testing for every change in modules
* Testing applications on multiple mobile devices with different platforms like **RIM, Windows** Mobile, **and J2ME,** and performing user acceptance testing for all deliverables
* Test Manager / **E2E Test** Lead End to End QA Lead performing Project Coordination, Project Management for medium and large scale projects in agile framework and SAFe.
* Managed Continuous Testing cycle in **DevOps** by Automating test cases and integrating with **CI/CD pipeline.**
* Involved in CI/CD Jenkins process.
* Automating **API and UI** Application scenarios in **BDD** **framework** by passing multiple datasets using example key word in scenario Outline concept.
* Using **Pivotal cloud foundry (PCF) platform** to configure App properties and used PCF logs for troubleshooting.
* Worked creating and running **Splunk** queries to check/Analyze logs and events of the Application as part of test case validations.
* Working on **RabbitMQ Message queueing** Integrationtesting to verify message data flow of various components of the project.
* Working on **Negative scenarios** of the Applications and **RabbitMQ** infrastructure like Dead letter and unhandled queue scenarios.
* Developed customized JIRA dashboards to visualize project metrics, enabling the team to track progress and performance against key milestones.
* Worked with team leads to optimize **JIRA** workflows, resulting in improved tracking and faster resolution times for reported issues.
* Developed new test project to validate **RabbitMQ** Infrastructure related functionality.
* Developed before and after **Feature, scenario and test run** methods in hook files as per the requirement in the automation framework.
* Automating highly transactional web application using **Selenium Web Driver**.
* Hands on experience writing automated scripts for **API’s** using **Rest Assured API**.
* Working on **Postman and Mabl** to send and verify calls to various APIs of the Application.
* Working on **Integration testing** of the applications with downstream Applications.
* Working on validating **Blue green deployment strategy** of headless Applications of the project.
* Creating and using **Harness** pipelines to deploy applications and run test suits.
* Working on **Bamboo** build tool, **Vera code** and **Sonar Qube** scanning for security and quality of the code and Application.
* Generated detailed reports from **JIRA** for management, providing insights into project status, team velocity, and areas for improvement.
* Performed testing on Fresh Direct and Food kick **AI/ML Apps** on actual devices and live apps in Browser Stack
* Conducted **Functional**, System, Integration, **Regression**, **UAT** and **Smoke Testing**
* Managed and tracked defects in **JIRA**, prioritizing issues based on severity and impact.
* Created test case documentation in **JIRA**, ensuring clear visibility of testing progress and status to stakeholders.
* Supporting production releases by doing **business certifications** of the application during release process.

**Environment:**Agile Methodology, Java, BDD, Selenium Web Driver, Cucumber, PCF, Splunk ,RabbitMQ, REST, SOAPUI,J meter, Harness ,Bamboo, Vera code, Sonar Qube Maven.

**Integrated Eligibility (IE), State of Oregon. Nov 2018 – March 2023**

**Role: Senior QA Tester**

**Location: Salem, OR (Off Shore)**

**ONE Integrated Eligibility:** To enable Oregon’s to create a state-based eligibility determination and enrollment system that included functions to process program eligibility and enrollment for MAGI Medicaid applications. The implemented solution expanded application accessibility and improved application processing efficiency through a Worker Portal for State staff and an Applicant Portal for Oregonians.

**Roles & Responsibilities:**

* Working on **applicant**, and **worker portal** components of the **ONE** **integrated eligibility** project on daily basis to perform **smoke** and **UAT** testing.
* Worked on requirement gathering and creating test plans for the use cases in **ONE eligibility system** like benefit determination and requests for change on case like adding new participant, updating income and household details etc.
* Developed Test cases manually and generated **Automation** Scripts using open source tools like Selenium Web Driver, TestNG, Junit, Maven and Jenkins.
* Strong working experience in writing **PL/SQL queries** to extract data from oracle database and NOSQL queries from Mongo Data Base
* Developed comprehensive user guides and onboarding materials to facilitate smooth user adoption of real-time applications, ensuring clarity and ease of understanding for both **technical** and non-technical users.
* Worked with product managers and technical writers to create detailed documentation that supports end-users and internal teams, enhancing overall product usability and training efficiency.
* Utilized **Azure DevOps** for managing project workflows, including tracking user stories, bugs, and test cases, contributing to streamlined development and testing processes.
* Provided training and support to team members on **JIRA** best practices, enhancing overall team proficiency and consistency in issue tracking.
* Analyzed historical **JIRA data** to identify patterns and trends in project performance, informing future project planning and resource allocation.
* Implemented automated testing pipelines using **Azure DevOps**, integrating continuous testing into the **CI/CD pipeline** to ensure high-quality real-time application releases.
* Worked on Azure **DevOps** dashboards to monitor project progress, track key performance indicators, and generate detailed reports on testing outcomes and issue resolution.
* Providing support functional testing of the Web Application, using selenium
* Tested web app and native app on **mobile** devices
* Assisted in the creation and refinement of user stories in JIRA, ensuring clear acceptance criteria and facilitating better communication between developments and testing teams.
* Integrated **JIRA** with **CI/CD tools** to automate the update of issue statuses, streamlining the development workflow and improving overall efficiency.
* End to End testing experience includes testing strategy, analysis of existing test strategy, gap analysis, and working across teams to mature End to End test strategies
* Participates in defect management of **UAT** and Consumer Cutover defects with the Project management
* Prepared and run test cases for **(AI/ML)/** Al (Artificial Intelligence) and ML (Machine Learning) for Chatbot.
* Build **CI/CD pipelines** using Git and Azure Devops, collaborate with Development and QA teams to integrate automated tests into the **CI/CD pipelines**
* Worked on validating various batch process functionalities of the project like Active, Passive renewals, Cash issuance, mass update of cases etc.
* Working on Batch activities like validating **inbound and outbound** file executions, batch execution in UAT, batch scheduling in batch scheduler, **univiewer** configuring new batches.
* Working on mocking the data for testing by creating inbound files and mocking data in database using **SOAP UI.**
* Working on data fix validations on daily basis.
* Working on analyzing batch exception analysis after daily batch execution in non-prod environments.
* Working on data mining for testing purpose.
* Working on running **regression** suite before the release and fix automation script issues and raising bugs as needed.
* Working on Managed File Transfer tools like **MFT.**
* Involving in the usage of **BDD** framework to develop Cucumber Step Definitions, Scenarios and Features using acceptance criteria.
* Working on **Selenium** & JAVA automation code and resources in source controls over the time for improvements and new features.
* Automating highly transactional web application using **Selenium Web Driver**.
* Hands on experience writing automated scripts for **API’s** using **Rest Assured**.
* Working on web services like **SOAP** and **REST** testing using SOAPUI, Postman tool. Testing the API’s as well as validates the data returned through web services responses.
* Configuring **Selenium Grid** to execute the scripts in cross browsers.
* Working on Visual studio to use Microsoft TFS and Microsoft SQL server management studio to access MySql database.

**Environment:**Agile Methodology, Java, Selenium Grid, REST, SOAPUI, JSON, GIT, My SQL, MSMS, Maven.

**Bank of America Mar 2016 – Oct 2018**

**Role: QA Tester**

**Location: Charlotte, NC. (Off Shore)**

* Worked in **Agile environment** and participated in Sprint meetings on daily basis under **SCRUM Methodology**.
* Prepared and Executed Test Cases for **Functional** and **Integration** testing.
* Created, Reviewed and updated Test Scenarios, Test Cases and Test Data.
* Involved in design and implementation of **Selenium WebDriver** automation framework for smoke and regression test suites using **TestNG and Maven.**
* Worked on creating Automation scripts for UI portals and handled dynamic web elements using various **selenium Web driver** features.
* Worked on **Rest API** testing by creating Automation projects for new API components of the project using **Rest** **Assured**.
* Performed functional testing of **SOAP** and **RESTFUL** Web Services using **Postman** and **SOAP UI** Tool.
* Worked on trouble shooting Automation scripts failures in **regression testing** and fixed them.
* Used **TestNG** framework features to group, include and exclude specific test cases from test suits.
* Integrated the test suites to **Jenkins** to execute them automatically after every successful deployment.
* Ran queries against databases to verify the correctness of XML response.
* Performed **End-to-End testing** of database to check data integrity using SQL queries.
* Documented request/response XML's test procedures and functional/technical findings from the test run.

**Environment:**  Java, Selenium Web Driver, Cucumber, Rest Assured, Postman, SOAP UI ,Web services, TestNG, Jenkins ,XML ,Maven.

**Agile Ideas Private Limited June 2015 – Jan 2016**

**Role: QA Tester**

**Location: Hyderabad, India**

**Roles & Responsibilities:**

* Tested applications and documented results and bugs including documentation of information useful in the debugging process
* Strong POS Sales (T-log) Knowledge and integration with Payment processing
* Involved in preparing Test Plan and Test Cases based on business requirements.
* Running queries against databases to verify the correctness of XML response
* Document request/response XML's test procedures and functional/technical findings from the test run.
* Defects Reporting and Web Services Test Results Reporting
* Generated test cases in spread sheet and upload them into Quality Center.

**Environment:** Quick Test Pro, QTP, Quality Centre, Selenium, DB2, Java Applet, XML, HTML, Web logic, Web services, Java.