**Chandrakanth Rao Perala**

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**QA Automation Engineer**

**Background Summary**:

* Over 8 years of experience which includes various types of testing, functional, security, performance, automated, acceptance and Selenium testing.
* Have an experience in wide variety of domains which includes Retail, Health care, Banking and Ecommerce.
* Proficient in Automated and Manual Testing and Test Management tool **HP Quality Center and TestRail**.
* Experience in using **Selenium** **IDE**, **Selenium Grid and Selenium Web driver**.
* Extensive in developing Selenium Test Scripts using Java in **Eclipse** **IDE** and **C#** in Visual Studio.
* Experience in using Selenium IDE for recording and involved in developing new Selenium Scripts using Java API to automate **Web Application Testing**.
* Experience with **TestNG Framework** and **NUnit Framework**.
* Experience in identifying Test Scenarios and Writing Test Cases in Quality Center, TestRail and Excel format, based on the requirements.
* Involved in Designing and writing of Test Plans.
* Working Experience in Using the Splunk tool to view the Application Error Logs
* Good Experience in **XML, Web services, Soap UI,** Site catalyst**, API Testing, JMeter, UNIX logs**.
* Experience in Performance Testing Using Apache JMeter for Load Performance and Performance Testing Like Servlets, Perl scripts, Java objects, Data base, HTTP etc.
* Proven ability to work with **Appium** tool integrated with complex architecture to automate Mobile Applications and executing test cases for validating GUI and system functionality on desktops and mobile devices including **Android** and **iOS**.
* Expert in **HP ALM**; **BPT Testing** including Component development.
* Expert in Preparing, designing, and executing test plans and cases (of moderate to high complexity) based on customer and software requirements and technical understanding of product architecture to attain quality software both economically and efficiently, including both new and existing feature regression tests.
* Experience in Smoke, Functional, Integration, System, Regression and UAT Testing.
* Experience in performing Mobile Automation testing using Appium on both iOS and Android platforms.
* Involved in preparation of Test Execution Reports.
* Well acquainted with the **Software Test Life Cycle (STLC)** and **Defect Life Cycle**.
* Generating Defect reports and interacting with the development team.
* Experience in execution of Test Cases and linking of defects to test cases in Quality Center and **JIRA**.
* Well acquainted with **Software Development Life Cycle (SDLC)**, emerging software disciplines like **AGILE** software development and Traditional Waterfall Model.
* Involved in Backend Testing by writing SQL queries and Good Knowledge on Oracle and SQL Server.
* Experienced in developing VB scripts in **QTP**/**UFT** to perform functional, regression, system and end to end testing.
* Expertise in writing and executing Test Scripts to implement Test Cases, Test Scenarios, and features for **TDD** (Test Driven Development), **BDD** (Behavior Driven Development) using **Cucumber** in **GHERKIN** format.
* Experience in Testing Web services using **REST APIs**.
* Good Exposure to Java/J2ee, C#, XML, **Webservices SoapUI** etc.
* Bug Reporting or Defect tracking using HP Quality Center, JIRA and Clear quest.
* Strongly self-motivated and willing to take responsibilities.
* Creative and analytical problem-solving skills and ability to quickly learn and adapt to new and challenging scenarios.
* Ability to work independently as well as in a team oriented, collaborative environment with
* Excellent interpersonal and communication skill.
* Tested a large social network application on multiple platforms web based, Android and iOS.

**TECHNICAL SKILLS:**

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| **Testing Tools** | Selenium (IDE, Web Driver, Grid, RC), SOAPUI, TestNG, N Unit, HP QC, Appium (Mobile Testing), Cucumber |
| **Web Technologies** | Java Script, HTML, XML, VBScript, ASP.Net, C# |
| **Web Debugging Tools** | Fire Bug, Fire Path, Fire Finder, WebDriver Element Locator |
| **Databases** | Oracle 11g/10g/9i, My SQL, DB2, Sql Server 2008, Sql Server 2005 |
| **Frameworks** | Junit, TestNG |
| **Languages** | C, C++, SQL, PL/SQL, Java, Python, Ruby |
| **Operating system** | Windows, MAC, LINUX, UNIX |
| **Browsers** | Internet Explorer, Mozilla Firefox, Chrome, Safari |
| **Web Services** | RESTful, SOAP |
| **Tools** | Ant, Maven, Excel, SVN, GIT, Bugzilla, SQL Developer, TOAD |
| **IDE** | Notepad++, Eclipse, IntelliJ IDEA |

**Education:**

**•** Bachelors in Mechanical Engineering | JNTU | Kakinada | Hyderabad, India**.**

**•** Masters in Computer Science | Silicon Valley University | California.

**EMPLOYMENT HISTORY:**

**Big Lots, Columbus, OH Sep 2017 – Present**

**Role: QA Automation Tester**

**Client Overview:**

Big Lots, Inc. is an American retail company headquartered in Columbus, Ohio. Big Lots has over 1,400 stores in 48 states.

**Project Description:**

This project deals with a system developed for a retail company. The testing involved making sure that proper division of products and information needed to its customers is organized properly.

**Responsibilities:**

* Prepared Test Plan, test Cases, Test scripts and Test data for the application as well as for the database verification based on the functional requirements and test specs using Microsoft Testing Manager.
* Used automated scripts and performed functionality testing during the various phases of the application development using **Selenium WebDriver.**
* Used **SOAP UI tool** to test Service Oriented Architecture (SOA) based architecture application to test **SOAP services** and **REST API.**
* Used Defect Management tool **JIRA**.
* Used RALLY Tool for User Stories for tracking the Sprint Work.
* Used TFS (Team Foundation Server) for defect logging and tracking.
* Involved in testing various business rules User/Customer functionalities, and Change Processes.
* Involved in automating test cases using **Selenium WebDriver with Junit.**
* Worked on the Scripts inventory and maintaining the scripts for future Regression.
* Tested Web Services using **SOAP UI** Tool.
* Determine what should be automated and what test data needs to be set up.
* Strong senior QA application and system testing experience including testing automation for regression testing
* Ability to create test plans, test scenarios, and test cases
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using **Selenium.**
* Work in cross-platform environment (UNIX/Linux and Windows)
* Design and execute the Test Plans and Test cases using User Stories/Business requirements.
* Performed Sprint level testing, Functional, Systems Integration Testing and Regression Testing.
* Identified & organized the overall plan for test data, strategy and also identify the Scope of testing within the context of each Sprint.
* Developed and implemented **robust MVC pattern** base testing with **Selenium WebDriver** which cut down the script development time in half.
* Worked on creating test case for **Object -driven framework** for **selenium WebDriver.**
* Extensively used Selenium IDE to record, playback and debug individual test cases, using **Selenium WebDriver** provided more flexibility in automating test cases.
* Good Experience in **Agile** methodology with **SCRUM** Process for the product development.
* Extensive work on Agile Methodology for Sprints and Scrums.
* Experience in verifying the **Claim Center** implementation meets defined business and regulatory requirements.
* Proficiency in End-to-End Testing and backend validation using **SQL**.

**Environment**: Core java, Selenium WebDriver, Junit, Jmeter, TFS, JavaScript, HTML, Eclipse, SOAP, SQL, Agile Methodology, J2EE, Oracle, DB2, Soap UI, JIRA Tool for Bug tracking, Unix/Linux, XML.

**Nalco Champion, Naperville, IL Jan 2017 – Aug 2017**

**Software Development Engineer in Test (SDET)**

**Responsibilities:**

* Co-ordinate applications parallel releases (Scheduled/Emergency/Weekly) for deploying their code
* Test Management Tool: **Selenium, Appium**
* Skill Used: **Appium, Test NG Frame Work, Java**
* Worked on Cucumber framework to perform Behavior Driven Testing. Responsible for configuring Eclipse plugin for Cucumber framework.
* Involved in the usage of **BDD** framework to develop Cucumber Step Definitions, Scenarios and Features using acceptance criteria.
* Used runner classes in cucumber to generate step definition and also used tags to run different kinds of test suites like smoke, health check and regression.
* Utilized Behavior Driven Development using Cucumber feature file and assured that the framework is reusable and maintainable.
* Performed Data Driven testing in Cucumber using Scenario Outline.
* Performed BDD (Behavior Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkins format.
* Involved in the usage of BDD framework with Cucumber Step Definition, Scenarios and Features for **UAT** testing.
* Using Java Programming we enhanced Test Cases. For example, inserting **verification points**, **parameterization**, exception handling, adding comments.
* Using JUNIT annotation, we groped Test Cases, prioritized test cases, executed Test batches and generated Test Reports.
* Our team contributes in executing database test cases according to release.
* Conducts integration testing for every build.
* We use **Jenkins** for test execution.
* We use grade for project configuration.
* We use project management tool **JIRA** to find and report bugs.
* Uses GIT as a code repository and Code Collaborator to manage code reviews.
* Everyone one in the team once automated the test case will be reviewed by other team member before merging the code to master in GIT repository.
* Use to Contribute in Unit test suites for test-driven development approach when required.
* Reaches out the deadlines according to the requirements in **Agile Methodology**.
* Provide status reports to appropriate groups concerning test issues and progress.
* Conducts defect status meetings to discuss defect priorities and test data issues.
* Uses Test Rails and **HP ALM** as test management. Those are the places where we store our manually written test cases or scripts and also it generates the test reports.
* We work with developing and testing team to perfect a product.
* Preparing and supporting the QA and UAT test environments.
* Tested different detail, summary reports and on demand reports.
* Preparing Weekly action report & QA feedback to QA team & manager.

**Universal Property Insurance Fort Lauderdale, FL Mar 2015 – Dec 2016**

**Automation Engineer**

**Client Overview:**

Universal Property & Casualty Insurance Company (UPCIC) is a wholly-owned subsidiary of Universal Insurance Holding Company of Florida, a Florida corporation. Universal Insurance Holding Company of Florida is wholly owned by Universal Insurance Holdings, Inc.

Universal Property & Casualty Insurance Company has a distinguished and experienced group of individuals as its directors and officers. The individuals provide guidance and lend their expertise to ensure this insurance operation continues to be successful in the property and casualty insurance marketplace.

**Description:** This project deals witha property insurance agency system. The testing involved making sure that high level of quality is given for this system to interact with its customers.

**Responsibilities:**

* Participate in weekly meetings to generate Daily Test Status Report for all required test phases
* Automated the regression test cases using the **WebDriver & TestNG.**
* Automated the Test Cases using **Selenium, WebDriver, Core java (Eclipse), C# (Visual Studio) and JUnit.**
* Performed Data Driven (Cucumber) and Keyword driven Tests
* Developed and maintained Hybrid Framework.
* Extensively used my SQL proficiency during data migrations.
* Involved in writing load scripts using **Apache JMeter.**
* Assign daily task to offshore team
* Used Microsoft Testing Manager to test plan and test cases.
* Created Test data set that needs for importing on the Server & for performing various sync operations from the handset.
* Used TFS (Team Foundation Server) for defect logging and tracking.
* Participate and provide critical suggestions in design meetings
* Involved in creating Test plans, for different components within the project.
* Analyzed, revised and created test scenarios according to business and functional requirements.
* Created Test runs, Test cases, Mockups, Process Flow diagrams from the functional documents.
* Created RTM Matrix, ensured the Test Planning, Testing Strategy, Test cases, Flows are capturing and covering all the Functional/Non-Functional requirements.
* Extensively queried through SQL to check the database records.
* Suggested automation process improvements & engaged in framework enhancements.
* Engaged in framework enhancements, code reviews and maintaining deliverable quality.
* Developed QA processes automation test scripts using Python/Selenium to test Web based user interfaces for different type of browsers.
* Preparing Performance Test Plan, Performance Test strategy and Performance Test log.
* Designing Performance test Scenarios using Load Runner to evaluate the performance of the applications developed in Multi-tier architecture
* Actively involved in SDLC and STLC process and used tools like Selenium RC/Webdriver, JMeter, SOAP UI.
* Perform a smoke test of the application after the build has been deployed to the test environment to ensure that the build is ready for the testing activity to start
* Resolve issues, report clear defects, and produce metrics for defects and test results
* Work closely with Development team to understand features and provide deep information to developers to resolve issues quickly.

**Environment:** Selenium RC, WebDriver, Selenium Grid, Quality Center, Soap UI, HTML, XML, Oracle, Core java Script, UNIX and Windows, SQL, Firepath, Firebug, Core java Eclipse, Jmeter, Keyword driven and Data Driven framework.

**Evoke Technologies, Hyderabad, India Jul 2012 – Jan 2014**

**QA Analyst**

**Responsibilities:**

* Test Management Tools: HP Quality Center, MS Access
* Testing Mode: Manual Testing
* Analyzed BRD ‘S, FRD’s and use cases to identify functional testing scope of the application.
* Developed QTP VB Test Scripts which help functional requirement-based testing, Integration testing and regression testing phase for overall system.
* Performed data -driven testing for positive and negative data from negative excel file, and responsible in validating data from SQL Server.
* Interacted with Business Analysts to determine functional specifications.
* Involved in the preparation of Test cases and Test Scenarios based on the requirements.
* Involved in Designing and writing of Test Plans.
* Developed and executed new Test Cases and executed existed Test Scripts.
* Created framework in Selenium Web Driver using Behavior Driven approach like J Behave.
* Involved in Smoke, Functional, Integration, Regression Testing, UAT Testing, etc.
* Tested various components within SAP including SAP transactions, Configurations, RICEF objects and workflow.
* Used SOAP UI to test Rest and SOAP based Web Services in SOA Environment.
* Performed forecasting web testing services using SOAP UI.
* Documented and reported bugs found during testing process.
* Involved in the weekly Staff Meeting call and chairing Daily Status report call.
* Prepared Daily and Weekly Status report.
* Performed UI and Back- end testing.
* Performed Regression testing for everyday builds and tested the consistency and impact on other builds.
* Interacting with Business Analyst for requirements as and when need.
* Interacting with Developers when issues related to defects.

**Tatva Soft, India Jul 2010 – Jun 2012**

**Test Engineer**

**Responsibilities:**

* Testing Mode: Manual Testing
* Test Management Tools: HP Quality Center, MS Excel, SQL Server
* QA Customer gathers all the details of the customers and divide them into their respective group for easy identification of the customer status on various levels. The account status of the customers is to be identified and based on the status the further classification of goodwill, types of loan the customer into will be added.
* Requirement gathering for testing through building test plans to execute test cases.
* Participated in design reviews and quality inspections for each release
* Writing Test Cases and Test Scripts.
* Participated in System Testing, Regression Testing and Interface Testing
* Performed white box testing using TestNG for class, method, &Webservices testing.
* Prepared Test Data and performed Positive and Negative testing.
* Created Test cases for GUI, Regression and functional testing.
* Executed the test cases and verified the actual results against the expected results and documented them in the test plan.
* Analyzing specifications, identified data and test requirements, developing QA test plan and ensuring its proper and timely execution from functional specification documents.
* Creating/executing test cases coordinate integration of applications on a multi-server
* Reviewing the database test cases.
* Executed database test cases according to release.
* Environment, and perform basic troubleshooting, conducting regression tests.
* Defect Reporting & Defect Tracking using Quality Center.