**Chakravarthy**

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**SUMMARY**

Over **7+ years** of QA experience in **Manual/Automation Testing of Web/Mobile apps and client** with specializing in **Software Quality Assurance Testing, QA Automation Engineer** proficient in testing on **Client/Server** and **Web based and Mobile Applications.**

* Extended experience in **Systems Testing, Integration Testing, UAT Testing, Functionality Testing, Performance Testing and Regression Testing.**
* Experience in all phases of **Software Testing Life Cycle (STLC), Software Development Life Cycle (SDLC), Bug life Cycle** and Methods like **Waterfall and Agile**.
* Expert in developing Java Selenium **Web Driver/RC/IDE/GRID** test scripts using **Java, JavaScript** and Test Frame works using Testing**/Junit, ANT/MAVEN** build tools**.**
* Hands on experience in **Test automation** using different Automation tools/techniques, **Unit testing** by using **Selenium Web Driver/IDE/GRID, TestNG, Maven, Fire Path**, running scripts, **debugging scripts** in different environment, Extracting Test results, **Cross browser testing**, and **data validation**.
* Efficient knowledge on languages like **Java, JavaScript, Unix, Linux, VBScript(UFT), C, C++, C#.**
* Experienced with **SOA, Web Services, SOAP UI, RESTFUL, WSDL** technologies.
* Involved in **SOA** testing includes developing test scripts in manual and automated testing environments, logging and recording test results, developing test scenarios, identifying and analyzing test errors, and maintaining test scripts.
* Experienced in **White Box testing** by authoring **python Codes in Selenium** WebDriver**.**
* Involved in **functional testing, black box testing, negative testing, compatibility testing, and recovery testing.**
* Created and Maintained Server side Integration Test using **Python** and Selenium Web driver.
* Experience in testing native apps **on iPhone, Android and iPod** devices manually.
* Used **Ranorex tool** for testing current and early **Android** applications.
* Experienced in using HP Interactive automated testing tools like **Quick Test Pro** and **Quality Center**
* Experience in **Back-end testing**, data validation, **Database testing using SQL queries.**
* Expertise in handling defects with high level of detail, accuracy, and informative recreation steps using **Quality Center, JIRA, Clear Quest, BugZilla.**
* Experience in **Agile and Scrum methodologies.**
* Executed automation test scripts using windows and **Linux** platforms for MFP products.
* Used open source environment in **Linux** and **UNIX** Platform Web application testing.
* Experience in writing and executing **SQL queries** to perform **Data Validation** and Back end testing of databases to check the integrity of data.
* Hands on experience in **medical** domain as well Worked with providers and Medicare or Medicaid entities to validate Internet portals.
* Proactively identifying areas of obstruction/breakdowns and take steps to rectify the equipment’s through application of troubleshooting tools in **Electrical** domain.
* Experience understanding the code written in different programming languages **VB Script, Java Script** and **databases** like **Oracle**, **SQL** Server.
* Experience in **HealthCare industry**, experienced in testing different healthcare ERP solutions such as FACETS, Med Plus, EPIC and other claim processing solutions.
* **Good analytical and communication skills** and ability to work independently with minimal supervision and perform as part of a team.

**Technical Skills:**

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| **Testing tools / Frameworks** | **Selenium IDE/RC/WebDriver/GRID, HP Quality Center/ALM, Junit, TestNG, JIRA, SOAP UI, Cucumber, QTP, Eclipse, Protractor, Jasmine, Manual Testing, Appium, JMeter, Firebug, Fire Path** |
| **Web Technologies** | **HTML, DHTML, CSS, JavaScript, XML, JSP.** |
| **Defect Tracking Tools** | **Quality Center (9, 10, 11.0), Jira, Team Foundation Server (TFS 2008, 2010, 2012), Rational Clear quest, BugZilla** |
| **Languages / Script** | **C, C++, Java, C#, SQL, Groovy** |
| **SOA Technologies** | **SOAPUI, REST, WSDL** |
| **Build / CI Tools** | **ANT, Maven, Jenkins, Hudson** |
| **Project Management** | **Microsoft Project, Microsoft Office (Word, Excel), Microsoft PowerPoint, MS Access.** |
| **Browsers** | **Internet Explorer, Firefox, Chrome & Safari** |
| **Operating Systems** | **Windows XP, 7, 8 & server 2003, UNIX and Linux** |
| **Mobile Manual Testing** | **Android, iOS.** |
| **Methodologies** | **Agile, Waterfall, SDLC** |
| **Databases** | **Oracle, MS SQL, MySQL, DB2** |

**Education:** Bachelor of Technology, **Acharya Nagarjuna University**, India.

**PROFESSIONAL EXPERIENCE**

**Client: AT&T Inc. Atlanta, GA Jan 2016 - Present**

**Role: Mobile Tester**

**Description:** AT&T Inc. is the second largest provider of mobile telephony and the largest provider of fixed telephony in the United States, and provides broadband subscription television services. AT&T recognized as one of the leading worldwide providers of IP-based communications services to businesses. AT&T also have the nation's most reliable 4G LTE network. AT&T operates the nation's largest Wi-Fi network. AT&T is the only national TV service provider to offer a 100-percent IP-based television service.

**Responsibilities:**

* Analysis of Business and Requirement Specifications. Designing Test Lab and formulation of Test Strategy, Test Plans Performed functional testing to identify various critical points in the application and automated it by using **Selenium WebDriver.**
* Involved in implementation of Test Automation Framework build using **Selenium WebDriver**, **protractor** to handle Angular JS, **TestNG** and **Maven** technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Developed Test Frameworks in **Selenium** for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (Java /TestNG).
* Configured **Selenium WebDriver, TestNG, Maven tool** and created **Selenium automation scripts** in **java** using **Junit** prior to agile release.
* Performed **white box testing** using **TestNG** for class, method, & **Web Services testing**.
* Involved in **Maven** configuration for running servers and scripts after the build**.**
* Involved in preparing a report of all automation difficulties and test results for further application using **Maven.**
* Executing the test plans on **web** and **mobile** (Apple & Android) as per requirements.
* Implemented simulator for Mobile App Testing in **Android Platform** using **Appium**.
* Experienced in load and performance testing tool **JMeter**.
* The entire **Ruby** scripting done using **Cucumber Framework** Wrote and executed **SQL queries** to verify the data updates to various tables and ensure data integrity.
* Used **Jenkins** as continuous integration server to run automated test suites.
* Integrated Automation scripts **(Selenium WebDriver API)** in **Continuous Integration tools (Jenkins) for** nightly batch run of the Script. Created Project plan on **Jenkins**, configured scheduled using **Cron** job.
* Used web-debugging tools like **XPath, Firebug** and **Firepath** to locate elements.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML ids** and **XPATH** in **Selenium.**
* Performed Regression testing for new builds and every modification in the application using **Selenium.**
* Used **Selenium** **WebDriver** to run test cases in multiple browsers and Platforms.
* Performed data driven testing by using JDBC as a data source in **SOAP UI** and configured SQL queries to fetch data from the Oracle database.
* Collaborate closely with **Billing Payment, Credit Collections**, and Product Management in an Agile, small team environment
* Tested the various **Service Oriented Architectures** (SOA) spanning across various web services using **SOAP** and WSDL across various applications using **SOAP UI.**
* Reported software defects in Quality Center and interacted with the developers to resolve
* Performed **Defect tracking** **and management, interfacing** with development teams, configuration management team, environment team, **UAT team** and other application teams.
* Analyzed test results, tracked the defects and generated reports using **Quality Center**.
* Involved in designing and building automation frameworks in support of continuous integration in a test-driven development (TDD).
* Performed **Smoke Testing** to make sure all the Test Channels and Test Environment is working as desired.
* Prepared the data to cover various scenarios and wrote **SQL scripts to verify the database updates**, inserts and deletion of the records.
* Maintained Metrics and participated in the Weekly Status Updates showing the progress of the testing effort and open issues to be resolved.

**Environment: Selenium WebDriver, Jenkins, Cucumber, SOAP UI, Maven, Appium (Android), TestNG, Quality Center, Firepath, Firebug, Eclipse, XPATH, Java, HTML, CSS, TDD, Android, SQL, Oracle and Windows, JMeter**.

**Client: WellCare, Tampa, FL Jan 2015- Dec 2015**

**Role: Sr. QA Automation Tester**

**Description:** WellCare core capabilities in clinical care resources, information and technology uniquely enable us to meet the evolving needs of a changing health care environment as millions more Americans enter a structured system of health benefits and we help build a stronger, higher quality health system that is sustainable for the long term.

**Responsibilities**

* Analyzed Business Requirements Documents to get better understanding of the system both on technical and business perspectives.
* Worked in the **agile** environment with frequently changing requirements and features set.
* Prepared **Test Plans, Test Scripts and Test Cases** based on functional specifications and user requirements.
* Developed and maintained **automated regression test cases** in **Selenium WebDriver using Java programming language and Junit Framework**.
* Performed Data driven testing using **Selenium WebDriver, Junit functions and JDBC Connections** which reads data from scripts using property and XML files.
* Developed test code in Java language using **Eclipse IDE and Junit** framework.
* Used **Java** language and **Junit** framework for scripting.
* Used **Ant** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Implemented Page Object Model Automation framework with **Java, Selenium WebDriver** and **Cucumber.**
* Involved in integrating the test suites to **Jenkins** to execute them automatically after every successful deployment.
* Designed test cases based on the use-cases and the complex business logic defined for each **web-service or a message.**
* Executing the test plans on **web** and **mobile** (Apple & Android) as per requirements.
* Experienced in load and performance testing tool **JMeter**.
* Designed and Developed **UAT Regression** automation script and Automation of functional **testing framework** for all modules using **Selenium and WebDriver**.
* Created the test data and request for the test data dependent with the other applications to be used in the testing activities for the current release.
* Created Data Driven scripts for adding multiple customers, checking online accounts, user interface validations, reports management, etc.
* Used **XPath** and **DOM** to work with dynamic and static objects in Selenium.
* Utilized various test tools for automation of test cases Generate test reports and **performed extensive Web Services testing using SOAP UI.**
* Used **SOAP UI tool** to test SOA based architecture application to test **SOAP services** and **REST API.**
* Performed **Smoke, Functionality, Integration, System, Regression tests** based on Analysis, and understanding of the requirements, non-functional specifications, and end-user needs.
* Creating the billing periods by entering one or more billing streams.
* Analyzed the Log files to verify the processes for debugging and or test data verification purposes throw the field work in Billing Payments.
* Prepared **test cases, test data** **and test responsibility matrices** for the application under test.
* Executed Test Cases recorded in **HP Quality Center** manually to test the application for its functionality, system integration and verify the Exit Criteria.
* Used **Git** as code repository and **Code Collaborator** to manage code reviews.
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems.
* Implemented and worked on **Acceptance Test Driven Development** (ATDD) **agile** methodologies completing releases ahead of schedule.
* Performed **Back-End Testing, database table manipulations** of relational database systems by writing complex **SQL queries manually**.
* Actively participated in walk-through, inspection, review and user group meetings for quality assurance with BAs and Developers.

**Environments: Selenium WebDriver, Jenkins, Cucumber, SOAP UI, JMeter, Ant, Junit, Quality Center, Eclipse, XPATH, Java, HTML, CSS, agile, GIT, SQL, Android, Oracle and Windows.**

**Company: Starwood Hotels and Resorts, Columbus, OH** **July 2013 – Dec 2014**

**Role: Manual Tester**

**Responsibilities:**

* Reviewed the Business Requirements document with the business and development team to understand the Architecture and functionality of the application.
* Performed **Business functionality testing**, which involved testing of all core functions of the application.
* Involved in preparation of **Test Plans** for different modules and documented **test cases and scripts** for various screens of the application.
* Performed **Functional and Regression Testing** using **QTP.**
* Converted **Manual Integration tests** into **automated tests**. Used **QTP** extensively for **GUI** and Functional testing.
* Used **Quick Test Pro** to ensure correct functionality across all environments, data sets, and business   
  processes.
* Debug the Test Scripts, created Batch tests, verifying the Test results and reporting the defects using **Quality Center.**
* Performed **UAT (User Acceptance Testing).**
* Given certain checkpoints and Synchronization points to see how the application is reacting.
* Prioritized bugs based on severity and interacted with developers to resolve them.
* Responsible for **Regression testing** after bug fixes and verified those fixes.
* Directly worked with the development team to resolve problems and provide technical content for product   
  documentation.
* Participated in Enhancements meetings to distinguish between bugs and enhancements.

**Environment: Manual Testing, QTP, Quality Center, Java, JavaScript, Fire Path, Junit, Eclipse,   
Git, Windows 7, VBScript, SQL, IIS, IE 6.0, UNIX**

**Client: Southwest Airlines**, **Dallas, TX Jan 2012 – June 2013**

**Role: Selenium Tester**

**Project Description:**

The Purpose of this project is to create, develop and modify an aircraft. It mainly deals with the network planning, like assigning number of flights to various cities based on the various reasons that includes climatic conditions and so on.

**Responsibilities:**

* Involved in Analysis of Business Requirements, Use Cases, Design Flowcharts and Software Requirements.
* Specifications Creation of Test Data Requirements and Test Condition Matrix; Setting up Test Environment; Software Test Execution Defect Management.
* Created Java based scripts for Selenium Web Driver with Junit as automation frame work.
* Setup the Automation framework using Selenium Web Driver to run test cases in multiple browsers and platforms.
* Created automation scripts in **SOAPUI** using Groovy Script for web services testing.
* Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Wrote and executed automated test cases using **Selenium Web Driver** to automate manual testing solutions.
* Analyzed the Log files to verify the processes for debugging and or test data verification purposes.
* Experience with **TOAD** for backend data validation
* Involved in conducting tests on Web services transactions like automatic bill payment, wire transfers, batch payments and Account transfers sent over **HTTP** or **HTTPS** by inspecting every **XML** request and response using **SOAPUI**.
* Developed and executed **SQL** queries to verify the proper insertion, deletion and updates into the database and investigate for solutions using **data analysis** practices and prepare analysis reports.
* Performed Regression testing on new builds, every modification in the application using **Selenium Web Driver**.
* Performed Compatibility testing of applications for dynamic and static content of browsers using HTML Ids and **XPath** in **Selenium**.
* Performed defect reporting and bug tracking using **JIRA** and followed up with development team to verify bug fixes, and update bug status.
* Involved in creating automation test suites for progression & regression testing in **SOAPUI**. The messaging formats included **SOAP** over **HTTP**&**REST** based clients with **XML** payload.
* Involved in Unit testing, test case development and regression testing using Junit for web based application.
* Developed and executed **SQL** queries in the database to conduct Data integrity testing by checking the data tables on the server.
* Prepared user documentation with screenshots for UAT (User Acceptance testing).
* Interacted with development and product management teams for the quick resolution of reported bugs and various technical issues.
* Experience assessing testing processes, creating, implementing testing strategies and SQA strategies using AGILE-testing methodology

**Environment: Java, Selenium Web Driver, Junit, ANT, Jenkins, Soap UI, TDD, Agile, HTML, XML, REST, SQL, PL/ SQL, Oracle, Quality Centre, Windows XP, UNIX.**

**Client: New York Life Insurance Company, New York, NY Oct 2011 – Dec 2012**

**Position: Automation Tester**

**Responsibilities:**

* Actively participated in all phases of **Software Development Life Cycle (SDLC) & Software Testing Life Cycle (SDLC).**
* Analyzed Use Cases document and develop Test Planning for System testing, and Performed Manual and Automation testing, using **HP Quick Test Professional (QTP) and HP Quality Center (QC).**
* Used QC and TFS as a test management tool in different project for developing Test cases, log defect, managing and tracking the requirements, Test cases, and defect.
* Worked closely with Product owners and developers on concurrent Mobile development projects to validate mobile.
* **Performed, Functional testing, Smoke testing, System testing, Integration testing, and User Acceptance testing (UAT),** GUI Test defect tracking, resolution of applications and solutions.
* Created Automation scripts using **Quick Test Professional (QTP)** for various testing stages like Functional Testing, Regression Testing and executed test scripts to test for functionality and regression testing.
* Insert Standard, Text, Bitmap, Page and database Checkpoints and output values in QTP (Quick Test Professional) to check various objects in the application.
* Created Automation Script using Descriptive programming and enhanced the script followed by different automation framework.
* Defects were tracked, reviewed, analyzed and compared using **Quality Center** (QC) for Manual testing and Automation testing purpose by connecting with QTP. Interacted with developers, users and various team members discuss and to resolve defects and their priorities.
* Performed **Backend Testing** of the database by using SQL queries to make sure that the database reflects the updates / change, to verify the database Integrity.
* Extensive experience in **User Acceptance Testing** (UAT) and collaborated with client / end-users to support UAT sessions.
* Participated in review and planning meetings with project team and provide daily, weekly, monthly report to test lead and project manager.
* Experience of communicating with users regarding software defects.

**Environment:** **MS Excel, VB script, HP Quick Test Professional (QTP), HP Quality Center (QC), TFS (Team Foundation Server), Windows, MS SharePoint, Mobile/Tablet devices, Oracle, MS SQL Server, .Net, J2EE, Java, HTML, XML and CSS.**

**Client: Hindustan Unilever Limited, Bangalore, India July 2009 – Sep 2011**

**Role: Functional Tester**

**Project Description:** The software is deployed in a PDA by salesman of the company by entering his details and connects it to a web server through a port and synchronizes the data. It simplifies placing orders and getting information of the stock available by taking orders and getting stock information. It shows the ongoing schemes, validity and conditions and shows different promotional advertisements based on the location.

**Responsibilities:**

* Involved on testing the **new functionalities** based on test cases and coordinated with development team in fixing the issues
* **Reviewed Business requirements, IT Design documents and prepared Test Plans** for all assigned project releases
* Ensure that all the test cases are updated in the **Quality Center** along with Master test plan
* Tested **critical bug fixes** including critical fixes and coordinated with developers in release of bug fixes meeting tight timeline
* Involved in **Release support** - Release to QA, involved in environment setup, testing the release process
* Involved **in Backend Database testing** in Oracle using PL/SQL
* Defects were **tracked, reviewed, analyzed** using **Quality Center**
* Developed automation scripts in **QTP** using **VB Script**
* Wrote functional libraries, created global/shared object repositories, wrote several scripts using descriptive programming
* Performed various types of testing like Functional Testing, Integration Testing, Regression Testing, System Testing and Compatibility Testing.
* Preparing and executing Test cases, Review test cases and Defect Reporting.
* Analyzed Test specifications and written Manual Test cases for **Black Box Testing**.
* Defect logging, Tracking, Reporting and Validation using **Quality Center**.
* Prepared **Defect Report** as per severity and Priority.
* Involved in Defect Reporting Meetings daily.
* Performed **Regression Test execution** based on the priority of the Test cases in **Mercury Quality Center**.
* Designed Test cases and executed Test cases and reported the Bugs using Quality Center.
* Involved in project meetings and Interacted with other team members to resolve the problems.

**Environment: J2EE, TOAD, SQL, J2EE, XML, JSP, Windows XP, UNIX and Visual Source Safe, Oracle9i, QTP 8.2, Test Director 8.2**