**Sandeep Choudary**

**Quality Analyst**

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**US Citizen**

**Summary:**

* Have 8+ years experience in **Software** **Quality Assurance**: Web, Mobile, Set-top box testing, Web services, System Testing of Client/Server, and CD applications.
* Extensive experience in testing and improving Web, Mobile, Set-top Box, Desktop, CD applications
* Strong Test Automation script creation, planning and execution
* Have .NET experience
* Have done Web services/API testing
* Have UFT experience
* **Have extensive Windows, OS-X, and Mobile testing experience (Verizon). Also have Linux/Unix experience.**
* **Have experience testing APIs (Verizon)**
* Converting requirements into test scenarios/cases, etc. and then executing them. Editing/improving these test scenarios (to be more relevant, useful), after executing them (Verizon, other projects).
* Experienced in the installation and configuration of mobile and web applications (Verizon and other projects).
* Experienced with effective SQA processes and methodologies
* Very familiar with defect tracking tools such as JIRA, etc.
* Very familiar working well in a Scrum development environment
* Maintained and executed a suite of test scenarios, scripts
* Tracked and reported test status, coverage for new services and app builds
* Experienced in preparing and executing test scenarios and test cases in agile environment
* **Experienced in Smoke, E2E, regression, Functional Testing**
* Have experience in Agile, Waterfall methodologies
* Know about the ‘Internet of things’ and their benefits, risks (hacking done to our apps using unsecured devices)
* Working in various types of Agile frameworks
* Working closely with QA, Development and Release Management to deliver very high quality applications
* Quite familiar with Windows, iOS, Android, Mac OS X, debugging tools and Mac Terminal
* Experience working with large scale, server software features
* Working in large scale, cross functional teams
* Extensive experience with test & defect management tools such as JIRA.
* Experienced working in various kinds of methodologies such as Agile
* Have done back-end testing, etc.
* Strong communication and problem solving skills; work well independently and in teams
* ***Have done extensive testing in Windows, OS-X, iOS, Android in different domains (Entertainment, Banking, Healthcare, Telecommunications, E-commerce)***
* Working with Cloud, Application security to protect back-end, front-end
* Used JIRA, HP Application Life-Cycle Management and Quality Center for managing the QA process and testing
* Have worked with cross-functional teams in many types of environments (Agile, etc.)
* Have created robust test cases from requirements for Functional, Regression, Performance, etc. testing.
* Executed test cases, created test plans for many domains including Healthcare, Financial, etc.
* Analyse test data, reporting results (automation tools such as UFT/QTP) for critical applications such as claims processing, front office bank apps
* Have extensive Agile experience
* Experienced using HP Quality Center in several projects. Used UFT/QTP with Quality Center
* Have experience in managing dashboards in Agile and other environments (Rational Unified Process).
* Have extensive browser testing experience (desktop, mobile browsers)
* Have UFT/QTP experience with Java Swing experience
* Can advise, give guidance on framework, data preparation, etc.
* Have *Integration, User Interface (UI), Web Services testing* experience
* *Have 5+ years hands-on experience in QA Engineering*
* *Have experience testing web/ecommerce applications constructed using JSP, JavaScript, JQuery, CSS, HTML and related technologies*
* *Created test plans and test cases based on user stories*

*•     Have experience writing and debugging Web base programs*

* *Have in-depth understanding of and experience with requirement analysis*
* *Have coded high quality/efficient tests for scalable, distributed, multi-tiered, fault-tolerant applications for the Windows environment*
* *Have experience with test automation tools and libraries such as Selenium, TestNG, Html Unit, and JMeter*
* Have experience with Python
* Have experience testing video (Regression, Functional, etc.) using Neoload
* Have Selenium experience in Java environment
* Have web services testing experience (SoapUI, REST)
* Have experience with test strategy, test design in many domains
* *Have experience using QTP/UFT, Selenium, J Meter for testing*
* *Have Java Web Driver, ETL, Data Warehousing experience*
* Experienced in SQL, EDI transactions (Healthcare/HIPAA EDI transactions).
* KnowMocha, Protractor, JavaScript, Chai, etc.
* In depth knowledge of all phases of **Software Development Life Cycle** (**SDLC)** and well acquainted with **quality analysis** best practices. Thorough understanding of different phases of **Software Development Life Cycle** (**SDLC**) and **Software Testing Life Cycle** (**STLC**) including **Waterfall**, **Agile/ Scrum** and **RUP**.
* Knowledgeable and working experience with **test planning, test scripts, test execution and test results**.
* Experienced in recording **tests, debugging tests, editing scripts, running test scripts and analyzing results** using testing tools like **Appium**, **Rational Clear Quest, Rational Quality Management, Rational Functional Tester,** **and Load Runner.**
* Have QA experience in **GUI testing, security and performance testing** of **Web and Client/Server based applications.**
* Experience with **Regression, Functional,** **Integration, System, UAT Testing, Ad-hoc testing.**
* Experience in web applications testing with **Selenium IDE**, **Selenium Grid** and **Selenium Web Driver**, **J Unit** and **Test NG**.
* Have knowledge of the **HIPAA** implementation guidelines, **ICD-9 and ICD-10 code sets**.
* Experience in creating **Requirement Traceability Matrix (RTM)** to ensure comprehensive test coverage.
* Have **SQL experience** in writing **queries** and **SQL scripts** to perform backend testing with various **relational databases** like **Oracle,** **Sybase**, **SQL Server** and **DB2.**
* Experience in using **TOAD** to access databases in order to retrieve data in the process of **Backend** Testing.
* Experience in writing **Test Plan and Test Strategies** for **Data Warehousing Applications**.
* Validating **ETL** process as per **data** **mapping document, validating the data source, data target, and applicable business rules.**
* Exposure in analyzing application **Data Flow** diagrams, **State Transition** diagrams and **Database Entity Relationship** diagrams.
* Experience with **QA Methodology** and **QA Strategies** to ensure the **Quality Assurance Control**.
* Have experience in **JAVA,** **HTML, XML** and **SOAP UI** automation tools.
* Proficiency in working with **MS Office products** **MS Word, MS Access database and MS Excel**.

**Technical Skills:**

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| **Test Automation Tools:** | UFT/QTP, Appium, Selenium, HP/Mercury, Load Runner, Win Runner, Advanced rest client for API testing |
| **Test/Defect Management Tools** | JIRA, HP Test Director, HP Win Runner, SOAP UI, Test Director, Clear Quest, Microsoft Test Manager, Rational Quality Manager, Rational Functional Tester, HP ALM, Test NG, Eclipse, UAT, Rally |
| **Platforms/Technologies** | Android, iOS, .Net, MVC4, WCF, Restful services,Mocha, Protractor, JavaScript, Chai, MS-Windows (Windows 95 – Windows 8.1), UNIX, LINUX, VBScript, .NET, C#, Java, JSP, J2EE, JavaScript, JQuery, J Meter, J Unit, Robot Framework, Python, Oracle Flexcube |
| **RDBMS** | PL/SQL, Microsoft SQL Server(SQL), MY SQL, TOAD, ETL, Informatica |
| **Software Methodologies** | Agile, RUP, Waterfall, V model, Agile-SCRUM, Prototype, XP, etc. |
| **Browsers** | Chrome, Netscape Navigator, Internet Explorer, Mozilla Firefox, Safari |
| **Additional technologies:** | Macromedia Dreamweaver, I-frames and Microsoft Office (Outlook, Project, Excel, Word, PowerPoint), Team Foundation Server (TFS) |
| **Web Technologies** | CSS, HTML, XML |

**Professional Experience:**

**Verizon/AOL (San Jose, CA)**

**(QA Analyst) Aug 2015 – Feb 2017**

Test the Go90 entertainment app which is Verizon’s effort to target the fast-growing digital ad/content business. I do Functional and Services regression testing of new builds. Test user comments, search, favorites, settings, user profile, live schedule, parental control, etc. Checking if the front-end, back-end logic, UI, UX was working correctly. Take part in periodic regression, test-case review, and other meetings.

**Responsibilities:**

* Automated testing cases into scripts
* Did extensive Web services/API testing
* Extensive regression/functional testing and helping to improve a variety of apps (Mobile, Set-top box such as Apple TV, Web)
* **Tested APIs and back-end**
* Was praised by team-lead for the quality of my work, contributions
* Converted requirements into test scenarios/cases, etc. and then executed them. Then edited/improved these test scenarios (to be more relevant), after executing them
* Used JIRA to log, manage, resolve defects
* Prepared and executed test scenarios/cases in the team’s Agile environment
* Learned about how the Internet of Things (IOT) can present risks, benefits to Verizon’s front, back-end infrastructure.
* Worked with Cloud security specialist to keep our infrastructure safe (getting log, console info on Android, iOS apps for new security scripts on QA environment)
* Worked in an Agile framework
* **Highly experienced in UX, UI testing. On my own initiative, created user stories (suggestions) to improve user experience, enjoyment, usage (thus potentially increasing revenue).**
* Thoroughly tested my areas of the apps; thought of additional scenarios to test, worked extensively with developers to diagnose and fix bugs.
* **Tested if Services/Back-end logic was working correctly for new app and services builds.**
* **Helped our apps to be ready/work well with Android 6, 7, iOS 10 (when these OS’s were newly introduced).**
* Got logs of bugs (using Android Debug Bridge or ADB and iOS Console) and attached them to bug tickets (ex: crashes, freezes, videos not playing, etc.). Developers need this to better diagnose issues/make potential code changes.
* Besides using Android Debug Bridge (ADB which is a command line tool to get crash logs, etc), iOS Console; also used Fabric/Crashlytics tools to pinpoint areas/causes where crashes were occurring.
* Extensively tested if content shared from our app was playing in Facebook, email, SMS.
* Added test cases for new scenarios, updated & improved test cases to be relevant to the current features of the apps
* Have discovered a number of critical (**Priority 1**) bugs (app-side, Services-side, etc.)
* Take part in regression, test-case review, bug reporting, new app testing meetings with the Go90 Technical Director, Application, QA, Project leads.
* **Have found important bugs in areas (of the apps) that were not my own**
* Worked with Cloud & Network Security personnel to better safeguard our application/services.
* Tested in a variety of environments (Production, Staging, QA)

Environment: AWS, iOS, Android, OS-X, Scala, ADB, iOS Console, JIRA, Fabric/Crashlytics, Java, Swift, Appium, X code, Beta testing, Agile, etc.

**Regions Financial Corporation, Atlanta, GA July 2014 to July 2015**

**Quality Analyst**

This was an asset management web/mobile application **dealing with financial instruments/transactions such as Wall Street foreign exchanges**. This project was designed to offer easier, more effective management of financial instrument dealings/management for Regions. Financial instruments covered included: Exchange-traded funds, foreign exchange (FX), over-the-counter traded securities (restricted stocks, equity repurchases, commercial loans, money market loans, block trade executions, program trading executions). Ran tests on Oracle Flexcube. The project included the Enterprise Reporting System, which supported asset management and credit risk management.

**Responsibility:**

* **Tested transaction processing & Customer Information files using Oracle Flexcube**
* **Did functional, regression testing.**
* **Did cross platform, cross browser testing of system**
* *Did negative testing of the mobile apps that handled instrument trading*
* Used HP Load Runner for performance, load testing of back office, front office apps
* Used HP Application Life-Cycle Management and Quality Center for managing the QA process and testing
* Created robust test cases from requirements for credit risk management, sales applications. Also anti-check fraud test cases.
* Created and executed test plans for Functional, Regression, UI testing for front-office apps
* Reported automation test results to developers, others so that subsequent builds were extremely high quality
* Created UFT/QTP scripts for Back-office apps and did maintenance of object repositories
* Did extensive record & playback, descriptive programming in QTP/UFT
* Did Integration testing of our Back office applications to check functionality, reliability, etc.
* Did User Interface, Web Services testing for our Front office apps
* Created automated test frameworks for UFT/QTP for testing needs
* Used JMeter for SoapUI testing
* Created test cases based on user stories
* Did mobile testing of Regions Financial applications (Android, iOS, etc.)
* Worked with other QAs to create automated test scripts for Android, iOS for front office apps
* Executed Selenium scripts on Web Driver for regression testing of new UI, functionalities
* Used Java to create a custom automation framework for testing of the new anti-check fraud application
* Tested **RESTful web services** that included the following checks: (a) the URL addresses are constituted correctly based on service deployment end-point and the method annotations (b) that the generated server requests call the corresponding methods (c) that the methods respond with acceptable data. I used **IntelliJ IDEA** to run these checks.
* Interacted with Cash Management Division and Compliance Office to review the **AML (Anti Money Laundering)** requirements and provide Positive Pay service to **reduce check fraud**
* Administered & Developed **Test Plans** that reflect user needs for **the functional, User Interface, Performance, Usability and Security requirements**.
* Involved in the **Manual/Automated Testing**.
* Parameterized the scripts by running the same operation with multiple sets of data in **QTP.**
* Created Test input **Data Requirements** and prepared the test data for **data driven testing**.
* Created and executed **Test scripts** to verify **complex system requirements**.
* Performed Regression testing for **User interface.**
* Help identify and define **IT Asset Management** business requirements
* Validated web pages using coded UI and stored results on **TFS 2012.**
* Experience writing SQL query to analyse and validate ETL database data warehouse processes.
* FLEXCUBE System for the Loan Syndication **Module including, Customer Setup, Facility Setup, Tranche Set Up and Loan Origination**.
* Involved in testing the Automation process of the **Application using QTP.**
* Enhanced the script using different checkpoints like Text output value, Table checkpoint in QTP
* **Supported UAT** environments of FLEXCUBE systems.
* Interacted with developers to explain software bugs when required, and re-tested the **fixed issues.**
* Used **Rational Clear Quest** for bug tracking.
* Created and Maintained Regression **Test Scripts** for overall **business process** and executing them in **QA Environment** as well as Production Environment.
* Reviewed the functional and operational specifications and prepared work plans for **UAT testing. Prepared a UAT Plan, where in a Pre-UAT stage the UAT environment is set up and tested, while the development effort is still going on.**

**Environment:** RUP, RESTfull web services, Rational Clear Quest, Clear Case, SQL Server 2012, TFS 2012, UFT/QTP, HP ALM, MY SQL, PL/SQL, Java, J2EE, JavaScript, JQuery, T-SQL, ETL, SSIS, JIRA, Oracle 11g, Load Runner, TOAD, MS Vision, MS Office

**Matrix Medical networks, Phoenix, AZ Jan 2013 to July 2014**

**Quality Analyst**

**Project Title: Medicaid Management Information System**

Worked as a QA Analyst in testing web-based system for Medicaid claims processing, Decision support, HIPAA transaction support, Provider Enrollment, and Prior Authorization. Customers such as healthcare providers can access the system for enrollment, claims processing, submitting bills, accessing member information and tracking eligibility through Medicaid management information system. The Application was tested both manually and with HP Automation Tools.

**Responsibilities:**

* Did regression testing of our apps
* Used HP Load Runner for performance testing of claims processing and other applications
* Did UI, Integration testing of the claims processing apps
* Did functional testing of web apps that were written using JQuery
* *Wrote/edited Java automated test scripts for new builds. Evaluated reasons for test failures and gave reasons to release management.*
* Tested specific scenarios such as Prior authorization, etc. on the Windows, OS X platforms.
* Used SoapUI to test SOAP services and make HTTP(S) calls. Did web services invoking, inspection, load, functional, other testing. Used SoapUI Pro for requirements management (manage, import, and export project requirements and link them to test cases), etc.
* Worked in an .Net environment
* Designed Connection Models for Validation and transformation of **HIPAA transactions** using **EDI Source and HIPAA Model.**
* Used **HP Quality Center** for tracking the **requirements, Creating Test Cases and Reporting Defects.**
* Developed and executed Test scripts **Using QTP 10.0.**
* Worked with **Quality Center** to manage the entire Quality Process Management, administration and testing of hospital based systems.
* Involved in testing the efficiency of healthcare delivery by using **HIPAA.**
* Involved in testing **HIPAA EDI Transactions** and mainly focused on **834, 837 and 835.** The electronic transactions provide claim payment information in the HIPAA mandated formats. These files are used by practices, facilities, and billing companies to auto-post claim payments into their systems.
* **HIPAA Transaction explanation:**

**837** Transaction is Healthcare Claims Institutional and Professional.The full name of the **837** is the Health Claims & Equivalent Encounter Information. It is used for medical and dental claims. **835** Transactions list information about payments made to healthcare providers. The **834** transaction set represents a Benefit Enrollment and Maintenance document. It is used by employers, as well as unions, government agencies or insurance agencies, to enroll members in a healthcare benefit plan. Examples of 834: New enrollments, changes in a member’s enrollment, etc. **277** Transaction set is used by healthcare payers (insurance companies, Medicare, etc.) to report on the status of claims ([837 transactions](https://www.1edisource.com/learn-about-edi/transaction-sets/tset/837)) previously submitted by providers. **276** Transaction set is used by healthcare providers to verify the status of a claim submitted previously to a payer, such as an insurance company, HMO, government agency like Medicare or Medicaid, etc.

* Involved in writing **SQL queries in TOAD** to validate the payment files.
* Involved in writing **SQL queries in SQL** Navigator to validate the payment files.
* Used **Quick Test Professional (QTP)** for best solution for regression test execution.
* Created **Requirement Traceability Matrix (RTM)** on track requirements.
* Validated the data of reports by writing **SQL queries in PL/SQL Developer** against OD.
* Involved in extensive **DATA validation** using SQL queries and back-end testing.
* Involved in testing in-Bound **Transactions (837,276,834)** submitted through **Data-Exchange gateway.**
* Worked with **Quality center** to document test results and validate test scripts. Used Quality Center in routing defects, defect resolution and assigning business cases to business users.
* Involved in Testing **Out-Bound Transactions (835 Health care claims Payment, 277 Claim Status Response)**.
* Involved in **Processing 837 Healthcare Claims** (Institutional and Professional) and **276 Health Care Claim Status Request (276).**
* Wrote test scripts for the **Medical and Dental Modules** and Claims/Adjudication of **Claims processing**
* Successfully leading a team and coordinating the testing activities to complete System, Integration and **UAT Test preparation** on schedule.

**Environment:** Agile/SCRUM, .Net, WCF, Oracle, SQL Server 2008, MY SQL, PL/SQL, TOAD, QTP, HP Quality Center, Java, J2EE, JQuery, J unit, JavaScript, MS Office, MS Visio, Load Runner, Test Director, UAT, Test NG.

**American Honda, Torrance, CASept 2011 to Dec 2012**

**Quality Analyst**

American Honda maintains a website (e-Store) to sell Honda parts and accessories to Honda, Acura owners (via dealer stock). I tested new customer registration, existing user account changes, email/receipt, orders, returns, etc. flows of the website. Used Java to write test scripts for new builds.

**Responsibilities:**

* Did regression testing of new web builds for my flows. Reported reasons for test failures and fixed code for issues on my end. Updated release management of the test results.
* Used Selenium in testing the website
* Experience in unit testing for Java applications using **Test NG, J Unit**.
* Used Design patterns – **Page Object Pattern, Singleton** to create the framework.
* Used **HTML Unit Driver for Smoke testing of UI Automation.**
* **Used Selenium-Web Driver** with **Test NG** to make direct calls to the browser using each browser's native support to automate the AUT from within the browser.
* Hands on experience with developing tests on different Automation frameworks. **(Selenium IDE, Selenium Web driver, Robot Framework, Python)**
* Used WSDL to setup project in **SOAP UI.**
* Co-coordinated the migration of **SOAP to REST API.**
* Experience working with creating a scripted test framework from the ground up using **Java.**
* Used **Java** concepts of **Collections – (List, Set, and Map), IO (Apache POI, CSV Reader), XML, Properties** to create dynamic framework for UI and API automation.
* **Wrote, Debugged and Executed** Test Scripts for the Web Application and the Web Mobile App.
* Analyze test Results and manually submit a Defect to the **JIRA.**
* Wrote test cases, designed steps & uploaded automation scripts in **JIRA**
* Performed Load Testing using **J Meter** on Key scenarios and logging the Load Time, and throughput in csv files.
* Performed Stress, Performance and Endurance testing using **J Meter**
* Led and performed backend testing to validate database contents by writing and executing SQL Queries using **SQL Developer.**
* Participated in Continuous Integration using pom.xml in **Maven, GIT and Jenkins**.

**Environment:** RUP, Selenium IDE, Selenium Web driver, Robot Framework, Python, Rational Requisite Pro, SQL Server 2012, MY SQL, PL/SQL, HP ALM, Quality Center, Selenium RC, Oracle 11g, Java, J2EE, JavaScript, JQuery, Load Runner, JIRA, SOAP UI, TEST NG, J Unit, TOAD, J Meter, MS Office, MS Visio.

**Verizon Wireless, Irving, TX Jan 2010 to July 2011**

**Quality Analyst**

Verizon Wireless provides wireless services, etc. Tested the main web application used by customers to view/pay bills, and check their payments, e-bill enrollment. Testing included new features, upgrades, enhancements, production fixes and validating billing of customers' monthly bill statements.

**Responsibility:**

* Participated, reviewed and tracked **Test Plan, Test approaches documents**.
* Prepared **Test data, Test cases and Test Scenarios** as per the stories and performed **Functional, UI and System testing of the application.**
* Executed automated **client-side GUI** testing code using **Selenium Web Driver** that adapts to non-static responses and interacts with page elements, as a real user would directly test **HTML implementation and page coding** with this automation.
* Created dynamic, configurable test cases for **mobile device web application testing using Firefox** user agents. This allowed on-the-fly testing of new mobile configurations despite non-standard **HTML** used in mobile devices.
* Developed and executed test cases for **SOAP** and **Restful** **web services** **APIs** using **SOAP UI**, logged the defects found in **JIRA** and assigned them to the Scrum Master.
* Used data from different sources for **Data Driven Testing using Data Provider in SOAP UI Pro**.
* Used **Firebug** to find **XPATH and CSS** locators to locate web elements.
* Used Java libraries like **CSV Reader, Apache POI and J Unit/Test NG** for all the automation scripts.
* **Provided test estimates and tracked** the **test execution** and made updates to plan as necessary.
* Created test cases and executed in **Java, Selenium RC, and J Unit**.
* Responsible for developing **J Unit/Test NG Test Case** **Classes, Test Suite in Integration environment.**

**Environment:**  RUP, Selenium, Selenium Web Driver, SQL Server 2008, MY SQL, PL/SQL, Java, J2EE, JavaScript, JIRA, TOAD, J Unit, JQuery, Test NG, HP ALM, SOAP UI, Oracle, HTML, MS Office, MS Visio, Load Runner, UAT

**Sprint PCS, Jersey City, NJ Oct 2008 to Dec 2009 QA Tester/Analyst**

Sprint PCS is one of the largest wireless providers in the country. The project involved customizing and testing their Billing application, which is used by customer representatives. This application allows customers and customer representatives to check minutes used, due dates, services, and new features, billing information and payment information.

**Responsibilities:**

* Involved in the review of **Functional Requirements with Functional Manager and Technical Specialists**.
* Performed **Sanity Testing and Smoke Testing for Internet** and Intranet based web applications were designed on **.NET environment.**
* Participated in the **test environment** setup and in ensuring that facilities and test tools are in place to successful perform the required testing effort
* Involved in preparing test plans and test cases based on the functional requirements using **Quality Center.**
* Extensively involved in execution of test scripts and script enhancement of **VB scripts** related to this project in **Quick Test Pro (QTP).**
* Used check Points to enhance the scripts of the testing in **Quick Test Pro.**
* Created **Requirements Traceability Matrix (RTM)** to track requirements.
* Performed both **Manual and Automated testing** of the application.
* Performed Backend testing to ensure data consistency on front-end by writing and executing SQL statements and inserting **VB Basic SQL** functions in **the Quickest Pro.**
* Performed **Positive and Negative** testing manually.
* Create defects about any failures in the scripts **with Quality Center.**
* Involved in version, tracking defects, enhancement requests using **Quality center.**
* Communicated changes to requirements promptly and precisely to all personnel involved.

**Environment:** Agile/SCRUM, SQL Server 2008, MY SQL, PL/SQL, Java, J2EE, JavaScript, JQuery, VB Script, HP Quality Center, QTP, C#.Net, MS Office, MS Visio.

**Education:**

Bachelors of Business Administration, Management Information Systems, University of Memphis, TN, 2008