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# **SUMMARY**

* **Over 6 + years** of extensive experience in analyzing, designing and Implementation of QA **Testing for Web based** and **Client/Server applications** on **Windows** and **UNIX** platforms.
* Developed/maintained **Test Plans, Test Cases, Test Scripts, Black Box/White Box Testing, Defect Tracking** and **Metrics** for both **Manual** and **Automated Test** environments.
* Proficient in **Functional, Regression, System Integration testing (SIT), User Acceptance testing (UAT), Browser compatibility** and **Performance Testing**
* Expertise in automating the software testing environment with open-source tools like **Selenium Grid/ WebDriver,** and **Firebug.**
* Programming experience in **Java, VBScript, PL/SQL**.
* Experience in **parallel testing** using **Selenium Grid** and in **Unit Testing** using **JUnit** and**TestNG**.
* Proficient in continuous Integration testing using **Maven, Jenkins** and **Ant build tools**.
* Experienced in creating Test Frameworks using **Selenium WebDriver** with **Data Driven Testing** and **UI Mapping** with**TestNG Data Provider.**
* Extensive experience in Web Service testing (**SOAP/REST**) using **SoapUI**and**JMeter**.
* Experience in Automated Functional and Performance Testing using **HP Quick Test Professional.**
* Expertise in scripting languages such as **VB Script,** and **UNIX Shell Scripting**.
* Experience in web technologies like **JavaScript, XML, XPATH, XSLT, AJAX, HTML, CSS,** and **SOAP.**
* Excellent understanding of **Application Server** and **Database Server**.
* Experience in Defect tracking tools like **QC, Jira** and **Bugzilla**.
* Excellent understanding of waterfall model and agile methodology – **SCRUM.**
* Knowledge of **Database, Data Warehouse, SQL** and **PL/SQL**.
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment with resource constraints.
* Good analytical and communication skills and ability to work independently with minimal
* Supervision and also perform as part of a team.

# **TECHNICAL SKILLS**

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| **Automation Testing Tools** | Selenium WebDriver/Grid, Firebug, Jenkins, SOAPUI, Quick Test Pro, Quality Center |
| **Performance Testing Tools** | JMeter, Performance tester, LoadRunner |
| **Operating Systems** | MS Windows ,UNIX (Solaris), Linux (Red Hat) |
| **Programming Languages** | Java, SQL, PL/SQL |
| **Web Technologies** | HTML, CSS, XML, XPATH, XSLT, AJAX, SOAP, WSDL |
| **RDBMS** | Oracle10g, MySQL |
| **Scripting Languages** | VB Script, Groovy, Python, Unix Shell Script |

# **PROFESSIONAL EXPERIENCE**

1. **QA Automation Engineer**

**Wells Fargo – San Francisco, CA March 2013 – April 2015**

**PROJECT DESCRIPTION** - The application provides the solutions to automate branch (platform, teller and lending) and Internet banking with BANKPRO, mortgage with Total Mortgage Solution. The system performs banking transaction such as checking/savings accounts check facility, deposits & withdrawals, calculating interest of accounts and customer inquiries. The system also generates various reports for both the customers and banking personnel of Cathay Bank.

**RESPONSIBLITIES –**

* Followed **Agile methodology**, participated in sprint planning sessions, scrums, sprint demos and sprint retrospective meetings and provided the team with all the information required for successful completion of the sprint.
* Documented test plans and test cases based on Agile User Stories, supplemental functional requirements and directly interacted with project stakeholders.
* Used **core JAVA** for writing **Selenium Web Driver** tests for the web application and **TestNG framework**.
* Tested multi browser compatibility on **Firefox, Chrome, IE** and **Opera** by using Selenium **WebDriver.**
* Used **Maven** to build and run the **Selenium** automation framework. Once the script got over, framework used to send the automation reports over email using continuous **integration tool Jenkins** and version control **sub version**.
* Executed Compatibility testing using **Selenium Grid**.
* Followed Page Object Pattern and Loadable Component in Test Automation Framework created by using Selenium Web Driver **with TestNG/JUnit**.
* Executed the test scripts and test procedure against the business requirements documents and generated **JUnit Report**.
* Installed **Android SDK** and set up mobile device emulator to develop and test Android version of the application.
* Tested web application using different mobile devices and **Android Virtual Device (AVD).**
* Wrote POS automation test scripts using **Selendroid with Java for android devices.**
* Used **Selenium Web Driver** for functionality and regression testing.
* **Edited Selenium automation scripts** then exported those scripts into **Python scripts** to further update and then checked them into GIT repository.
* Developed **UNIX shell scripts** to automate the routine tasks.
* **Used SoapUI for testing SOAP based Web Services** and Performed functional and performance testing of Web Services.
* Added test cases using **Groovy script in SoapUI** tool to test the **SOA** architecture web services.
* Tested APIs (**both RESTful and SOAP**) manually as well as through **automation using SOAP UI**
* Used **REST UI tool** to test **REST request/Response messages**
* Involved test planning and test execution for new developments and regular updates.
* Performing **Load and Performance Tests using JMeter** and analyze results with system analysts and engineers.
* Designed the **JMeter scripts for Load Testing** and monitored the performance.
* Enhanced performance test scripts with Start/End Transactions, Correlation, and Checkpoints (**Load Runner**) and Logic Controllers, Configuration Elements, and Assertions (**JMETER**)
* Prepared daily/weekly bug status reports highlighting bug fix metrics and tracked the progress of test cycles **in Rally.**
* Created test plan, test data and scripts for applications as part of **Test-driven development (TDD)**
* Tested the application by writing **SQL Queries** and creating pivot views as to perform back-end testing.

**ENVIRONMENT -** Java, Selenium WebDriver, JMeter, SQL, Oracle, Windows, SoapUI Pro, REST, UNIX, Rally, Firebug, FirePath, Python, Agile Methodology

1. **QA Engineer**

**First Republic Bank – San Francisco, CA May 2011 – Feb 2013**

**PROJECT DESCRIPTION -** First Republic Bank provides corporate, investment, retail banking, wealth management and consumer lending services. Project involved Web based application which is used by front office users for tracking different service requests made by clients such as address change, consumer credit, rate exception, funds transfer etc. It is used to submit private banking credit applications, used by private bankers for submitting different product type requests like secured loan, unsecured loan in a credit application.

**RESPONSIBLITIES –**

* Regularly participated in **Technical and Use Case review meetings** for various functionalities in the application.
* Involved in **analyzing Business Requirement Documents** and its technical specifications.
* Analyzed the Test plan which detailed the testing scope, strategy, test requirements and necessary resources.
* Followed **Agile Methodology**.
* Tested the mobile Application using **Android SDK Tools** on Emulators and real devices.
* Recorded and played back end tests in Firefox **using Selenium** and added annotations.
* Run tests using **Selenium Remote Control** in different browsers.
* Performed **Build Verification testing** by recording and executing test scripts **using Selenium.**
* Performed **web service testing** and response data validate using **SOAPUI tools**.
* Developed and executed test cases for **SOA testing using SOAPUI**.
* Tested **SOAP and REST based API** – created all types of assertions – **HTTP, SOAP for JSON, SCHEMA compliance.**
* Performed **functional testing** to identify various critical points in the application and automated it by using **Selenium RC** on different modules.
* Configured Selenium **WebDriver**, TestNG and created **selenium** automation scripts in **java** using JUnit prior to **Agile** release.
* Scheduled and assigned computing resources to support load testing.
* Performed detailed testing and write/execute test plans for **regression and functional testing.**
* Defects were **identified, managed, and reported** to the development team **using Quality Center.**
* Loaded data into an Oracle database and did **database testing** through **SQL queries**.
* Involved in weekly meetings with the development team to resolve technical issues.

**ENVIRONMENT -**Windows 7, C#, SQL Server 2008, Oracle Database, Selenium IDE, Selenium RC, SoapUI, REST, HP Performance Center 11.5, Quality Center, Agile.

1. **QA Engineer**

**JP MORGAN CHASE – CHICAGO, IL Feb 2010 - April 2011**

**PROJECT DESCRIPTION** - Centralized Banking System - CBS is a complete web based and centralized banking solution covering all the functions of a bank. It supports multi-currency transactions and all types of delivery channels. The product has been developed using open, industry standard proven technologies and high quality software engineering methodologies. CBS is highly parameterized to support constantly changing customer and regulatory requirements.

**RESPONSIBLITIES –**

* Involved in testing the application for regression builds, manually and automation.
* Participated in the **System Test Plan reviews, Test Scenarios, Test Cases Review** and modified the documents with respect to the review comments.
* Gather the relevant test data necessary for the test scripts, based on the Transactions, Test Conditions documents and updated in the property files.
* Involved **in maintaining and uploading the QTP Scripts to Quality Center**.
* Involved in **Create Test Suit in Quality Center** and execute them from QC.
* **Reported bugs and tracked defects using Quality Center**.
* Managed **UAT Phase (onsite and off shore teams) and used QC (Test Director) for test tracking and bug tracking** in UAT Environment.
* Created and executed **test scripts using Quick Test Pro(QTP)** .
* Performed **GUI Testing by creating GUI checkpoints** to verify the functionality of the GUI objects **using QTP**.
* Involved in **regression testing** using automated script **in QTP**.
* Created new scripts and modified existing script for regression testing using data parameters, synchronization point, check points, output value.
* Created **automated test scripts by using Quick Test Pro** for data verification and validations.
* **Data Driven Testing using parameterization in Quick Test Professional** to test the application with different sets of data**. Executed SQL queries**, joins and stored procedures.
* Extensively worked **with VB scripting and Descriptive programming by using Quick Test Professional.**
* Developed base line scripts for testing the future release of the application using Quick Test Professional.
* Performed all the above tests manually then assisted automation team in automating the **test cases usingQTP for functional, integration and regression testing**.
* Worked on automated testing using QTP- test, image, bitmap table, XML, and database checkpoints, Data Driven testing. Creating Test pools, assisting automation team in selecting test cases to be automated.

**ENVIRONMENT -** QTP, Quality Center, (UNIX), SQL, Windows, Oracle, Telnet, VBScript, SSH, HTTP, HTML.

1. **QA Engineer**

**CITI BANK – WARREN TOWNSHIP, NJ Dec 2008 - Jan 2010**

**PROJECT DESCRIPTION** – The project involved working with an application called EBPP (Electronic Bill Payment and Presentation) that provides the ability to the clients to use their debit cards to make online bill payments. This enabled customers to use their debit cards to earn points and also reduced the processing charges for the service provider.

**RESPONSIBLITIES –**

* Designed the **Test Scenarios and Test Cases** after analyzing the requirements.
* Performed **Smoke, GUI, Integration, Functional, Regression, Redundancy, Data Integrity, System Compatibility testing.**
* Involved in performing **Sanity Testing** of application for **Post Deployment Production Testing.**
* Helped in setting testing environment.
* Created **test data by running SQL queries**, and exporting them **to Excel**.
* Performed backend testing with SQL for data validation and data Integrity.
* Creating **Test Matrix, Test effort sizing and walking through them** with Business and Technical partners. Also creating Test Cases and tracking defects.
* Used **Excel to build and maintain test cases to perform** various kinds of test to check each and every element of the database system.

**ENVIRONMENT -** MS Excel, MS SQL Server, UNIX, ASP.NET