**PROFESSIONAL SUMMARY**

* 6+ years of professional experience in Information Technology with extensive experience in performing Manual and Automation Testing in wide variety of projects and environment.
* Strong understanding of SDLC models and Testing Methodology.
* Expertise in understanding Business Requirement Specification, Functional Specifications and Design documentation and converting it into comprehensive Use Cases, Test Scenarios, Test Strategies, Test plan and Test Cases.
* Experienced in reviewing and analyzing business requirements and writing detailed test plans, scenarios and test cases.
* Excellent knowledge and working experience in writing Test execution, Bug Tracking and Test Summary Reports.
* Managed End to End Testing efforts for projects including Estimation, Scheduling and Resource Management.
* Experience programming in Java, Python, XML and SQL on Windows Operating Systems, and UNIX environments.
* Proficient creating continuous integration automation testing using Jenkins and collaborated with the rest of the team to provide feedback using Git hub.
* Participated extensively in User Acceptance testing, complex test data conditioning, functional testing, integration testing, system testing and regression testing and testing validation using Selenium on Python scripts.
* Experience in designing, documenting log files, verifying resolution of software and specification defects and tracking bugs on Robot Framework IDE.
* Experience Automating acceptance testing with acceptance test-driven development (ATDD) using Selenium and Robot Framework on Java/Python.
* Demonstrated ability to work on Work Flow Diagrams, Entity Relationship Diagrams, and Data Flow Diagrams.
* Extensive experience working with Databases such as Oracle, SQL Server and MS-Access.
* Experienced with Data Structures, Hashes or trees, binary trees.
* Experience with testing on UNIX and multiple MS Windows environments.
* Sound knowledge on Junit, TestNG framework for Unit testing, Maven and Ant for Project building tool, Jenkins for Continuous Integration.
* Experience in creating Regression Test Suite using Perl, Shell and Expect scripting and linking it to the Continuous Integration Systems like Hudson and Jenkins.
* Used PERL for automating all the types of modules at a time.
* Executed Shell scripts to start / stop web servers, web services, app servers on Linux based on the need.
* Experience in writing LINUX commands in bash shell/Terminal.
* Worked on Windows and Linux platforms for validating services and Testing of Infrastructure Services.
* Ensured the QA team meets the deadlines and is flexible based on the needs of the project.
* Created Test Plan, Test Environment and Test Strategy Documents.
* Expertise in Manual Testing of Client Server and Web based applications.
* Expertise in GUI, Functionality, Stress, System, Integration, Performance, Configuration, Back-end Testing.
* Good Knowledge in Java & Python Programming and Data Structure.
* Have knowledge on Continuous Integration using Jenkins and Maven.
* Extensively worked on Data Driven, Keyword Driven, test Automation Frameworks.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Automation Tool | Selenium Web Driver, Eclipse, PyCharm, Robot framework, Jenkins, Junit, TestNG, |
| Bug Reporting Tools | Hp ALM/Quality Center, Jira |
| RDBMS | Oracle , MS SQL Server, DB2, Mongo DB |
| Operating Systems | UNIX, LINUX, Windows |
| Application Software | ORACLE, SQL Server, MS Office |
| Web Development | XML, HTML, CSS, Java Script |
| Languages | Java, Python, JavaScript, Shell Script, XML |

### EDUCATION

* **Master's in Software Engineering, Stratford University, Falls Church, Virginia, USA**
* **Bachelor’s in Computer Engineering**

### EXPERIENCE

**Accruent, Austin, TX**

**Apr 2017 – Present**

**Sr. SDET QA Automation Engineer**

Accruent is a software development company committed to optimizing all stages of real estate, facilities, and asset management. The facility management solution for institutions manage facilities lifecycle from real estate acquisitions to project/space management, operations, maintenance, facilities/asset management and inventory control. Siterra is a real estate and site management software solution that helps real estate and telecom industry professionals to control their sites, leases, projects, data, and 360Workplace. A cloud-based software to increase profitability across the real estate and facilities portfolio.I was part of the testing team for Java based projects in Test Driven Development (TDD). I worked as an automation QA primarily conducting functional, regression, API, SIT and UAT Testing. I extensively used Selenium Web Driver, Robot Framework for automation testing.

**Responsibilities:**

* Highly involved in integration testing using Keyword driven script in Pycharm tool using Robot framework
* Automated acceptance testing with acceptance test-driven development (ATDD) using Robot Framework on Python scripts.
* Operated within a very Agile/Scrum environment, employing 2-4 week sprints, daily scrum meetings, burn-down charts, task weighting, pair programming, refactoring, presentations and review.
* Formulated methods to perform Positive and Negative testing against requirements using RIDE (RF IDE).
* End Product web application web services API testing using POSTMAN.
* XML, Json and Canonical formatted text file were heavily used while performing integration testing.
* Worked on a centralized application management platform for managing and automating within and across application teams and throughout the complete process of SDLC, all within a single workflow using Selenium web driver using Python.
* Worked in Test-driven Development & Robot Framework-based Acceptance Test-driven Development and in short cycles.
* Performed Stress testing on Web services using pylot in python environment.
* Developed Shell scripts to automate the process and validate the data.
* Graphical User Interface end to end testing between two web applications were heavily automated.
* Used JavaScript, Xpath, CSS, DOM elements to automate in Graphical level.
* Performed end to end load testing to check stability of the application.
* Worked on various Environments such as DEV, QA, UAT.
* Used Jenkins for CI/CD of the application development.
* Helped to create Traceability Matrix to ensure comprehensive test coverage of requirements identifies all test conditions and test data needs.
* Worked closely with the developers to ensure Acceptance Criteria was accomplished.
* Used Bitbucket for version control.
* Used Jira for Project management, bug tracking and issue tracking tool.
* Used Confluence Page for documenting all the test documents.
* Involved in grooming tickets before moving to Backlog for writing acceptance criteria.
* Mainly followed Scrum in Agile methodology.

**Environment:Robot Framework, Python, PyCharm, Jenkins, Angular 2, Jira, Web Services, API, SOAP, REST, Shell Script, Linux/UNIX, Oracle, SQL Server, Python, SQL, MS Office tools, POSTMAN, Mule Soft , Confluence.**

**Fifth Third Bank, Cincinnati, OH**

**April 2016- Mar 2017**

**SDET Automation QA Engineer**

Fifth Third Bancorp is a diversified financial services company headquartered in Cincinnati, Ohio. Fifth Third operates five main businesses: Commercial Banking, Branch Banking, Consumer Lending, Investment Advisors and Fifth Third Processing Solutions. Fifth Third is among the largest money managers in the Midwest. I was working as QA Tester for the Credit Card Department. The project is to test the Credit Card Application and Account Management option, which allows consumers to apply credit card online.

**Responsibilities:**

* Designed, Developed, Maintained and Documented Financial Business Applications and interfaces for multiple environments.
* Prepared Test Plans and Test Cases based on the business requirements in Test Driven Development (TDD).
* Participated in multiple projects with different work streams towards completion of testing, defect resolution, implementation, and support in an Agile/Scrum development environment.
* Tested web based applications designed in Java/J2EE environment.
* Developed automated scripts created for performing Regression Testing through Selenium Web Driver.
* Implemented Page Object Model Automation framework with Java and Selenium Web Driver.
* Analyzed business requirements and functional documents, created to define the test environment, phases of testing, entrance and exit criteria into different phases of testing and resources required to conduct the effort.
* Extensively worked in Regression testing, Parallel Processing using Selenium WebDriver in TestNG.
* Performed the build and maven dependencies using Maven build tool.
* Developed test scripts to identify the web Elements through locators using FireBug and FirePath Firefox plugins.
* Performed Parallel and Cross Browser testing using TestNG on different browsers like Internet Explorer, Chrome, Safari and Firefox where multiple tests were run at the same time.
* Used XPath and DOM to work with dynamic and static objects in Selenium WebDriver.
* Created test approach and test cases for different modules.
* Reviewed and analyzed the existing test scripts.
* Maintained user documentation with Selenium output screenshots for User acceptance testing (UAT).
* Developed synchronization using implicit and explicit wait conditions.
* Incorporated the test data in Test scripts from Excel using Apache POI API.
* Developed HYBRID Framework (Page Object Model with Data Driven Development) from scratch using Selenium WebDriver & Python.
* Maintained the Java and selenium test source code and resources in the SVN source control repository tool.
* Analyzed test results, tracked the defects and generated reports using JIRA.
* Prepared the data to cover various scenarios and wrote SQL scripts to verify the database updates, inserts and deletion of the records.
* Maintained continuous test integration and automatic build by using Jenkins and mailed the build outputs to the team members.
* Performed agile testing, reviewed the stories and participated in Daily Scrum, Iteration Planning and Release Planning meeting.
* Had regular walk through’s with development teams once the e-commerce application was enhanced.
* Helped team resolved bottlenecks.
* Attended to daily reviews, walkthroughs and meetings for Verification and Validation of the project.

**Environment:Robot Framework, Python, PyCharm, Angular 2, Jenkins, Jira, Web Services, API, SOAP, REST, Shell Script, Linux/UNIX, Oracle, SQL Server, Python, SQL, MS Office tools, POSTMAN, Mule Soft , Confluence.**

**First National Bank, NYC, NY**

**Jan 2014- Feb 2016**

**SDET QA Analyst**

The First National Bank believes in offering the customers by providing services such as Personal banking, online banking, Government Banking, Investment Banking, Business Loans and Mortgage banking. Its is a site which provides user friendly navigation to all the account holders in performing certain operations like viewing, transferring, deposits and with drawls. As a member of the testing team, the responsibility was to verify the overall functionality of the application and also interaction with the real-time users to upgrade and support the end-to-end functionality of the website.

**Responsibilities:**

* Analyzed the business requirements and wrote Test Cases and Test Strategy for functional requirements
* Analyzed the system specifications and helped team members to achieve test goals.
* Created detailed Test Plan and involved in developing Test Scripts for manual testing.
* Followed up with the developers to keep track of Modification Requests.
* Involved in design and implementation of Selenium Web Driver automation framework for smoke and regression test suites.
* Involved in automating test cases using Selenium Web Driver with Junit and TestNG.
* Used automated scripts and performed functionality testing during the various phases of the application development using Selenium.
* Developed Hybrid Test Framework in Test Driven Development (TDD) using Java, Selenium Webdriver, Maven and TestNG.
* Used Maven for building the Web Driver project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically
* Developed various features such as Shopping cart, Transaction history, product searching, and account registration.
* Enhancement of existing application utilizing JSP, Created HTML navigation menu that is role based menu items changes dynamically, derived from the database in the form of XML.
* Involved in testing Shopping cart, Transaction history, product searching and various check out scenarios in Pre-production, inactive and Production environment.
* Used Jenkins for continuous integration.
* Created mock objects for testing with Junit.
* Extensively used SQL queries for Backend Testing.
* Conducted heavy Back End testing for data validation and verification.
* Generated all reports for the test cases through Quality Center document generator.
* Responsible for extracting bug reports and conducting Bug Review meetings.
* Prepare Project-level Test Plans and created Test Cases for the respective applications.
* Performed Smoke Testing manually of new builds for basic functionality checking.
* Participated in Walkthroughs and Inspection.
* Responsible for weekly status meetings showing progress and future testing efforts to the QA manager.
* Performed Data Driven testing using QTP.
* Detected defects communicated to the developers using bug-reporting tools and tracked the defects.
* Evaluate and implement QA process improvements for ongoing testing.
* Conducted Backend Testing and VB scripting on the Oracle database using SQL.
* Used Quality Center for tracking and reporting bugs.
* Attend regular meeting to tract bug related issues and critical problems.

**Environment: Windows, UNIX, HTML, CSS, JavaScript, Java, Angular, Selenium, Jenkins, Oracle, XML, JSON, Jira.**

**Thrivent Financials, Menomonee Falls, WI**

**Feb 2012- Dec 2013**

**QA Analyst**

I worked as a QA Analyst on online banking Project. The scope of the project is to Change currently using base system and Replace with New application. IT, Business, and User teams had to work together to design and implement the platform. The challenge of the overall project was to provide the Organization the tools to enable us to meet our planned growth and financial Goals and to improve operational executions.

**Responsibilities**

* Involved in analyzing business requirements and writing Test Plans and Test Cases as per the specifications.
* Created and Executed Test Scenarios.
* Worked in agile methodology for both manual and automation testing.
* Interacted with business analysts, users and developers to prioritize user functionality issues.
* Querying various databases for data validation by executing SQL queries.
* Tested the custom point of sales program and interface to handle the windows stations including, file serving, database, security, user account management, sales, logon authorization and web services.
* Performed Functional testing by executing test scripts.
* Performed Regression testing to ensure that new changes in the application did not broke any existing functionality.
* Involved in performing Negative and Positive testing by executing various test scripts in Quality Center.
* Conducted Data Driven Testing using QTP to test the application with different sets of Test data.
* Performed the Back-End testing to ensure data consistency on front-end by writing and executing SQL commands.
* Logged defects by using Quality Center and tracked the status of defects until it gets resolved.
* Responsible for updating the QA manager with weekly status updates for the progress of testing efforts and open issues to be resolved.
* Attended Inspection and walk through with management to assess the progress of testing efforts.
* Participated in various meetings to discuss Enhancement and Modification Request issues.
* In absence of Team Lead, Communicated and collaborated information flow between QA Team and Developers.
* Involved in documentation as to how to maintain and run scripts for future enhancements.

**Environment:Window 7, Java, Oracle, VB Script, PL-SQL, Quality Center, QTP, MS Office, Share Point.**