**Arunima Singh|530-563-6146**[**|sarunima1503@gmail.com**](mailto:sarunima1503@gmail.com)

**Software Quality Assurance Analyst**

* Extensive **Manual and Automated** testing experience with Web based, Client\Server, Desktop and Mobile applicationsandproficiencyinallformsof**Performanceba8sedtestingsuchasLoad,Stress,Spike,Endurance, Scalability and VolumeTesting.**
* Strongbackgroundindevelopingautomationframeworksandtestscriptingusing**Java,SeleniumWebDriver, TestNG and Junit to facilitate various testing scenarios such as Smoke, Functional, Integration, System and RegressionTesting.**
* Experienced in Testing API services (REST) using **POSTMAN** for manualtesting.
* Performed vigorous testing extensively of **REST based Web services** using RestAssured.
* Tested the performance of the various web services **(REST and SOAP)** using Jmeter for real-timeanalysis
* Hands on experience with **HP-QCE (Quality Center Enterprise)** for Risk based test planning and management alongside out- of-the box integration and Report creation. Implemented Business Driven Development (BDD) using Cucumber and creation of feature files using Gherkin to enable better informationtransfer between the business Analyst, developer andtester.
* Implemented various Testdesign patterns such as Page Object Model, Page Factory Framework, Data driven framework and Business drivendevelopment.
* Developing Hybrid Automation Framework with **Page ObjectModel**.
* Conducted path coverage, statement coverage and branch coverage to ensure correct code functionality. Experiencedingeneratingautomatedmutationtestingalgorithmsto checktheeffectivenessoftheTestSuites. Ensuring the data integrity is maintained between various system components andsystems.
* Experienced in planning, coordinating and **performing black/gray and white box testing** with sound knowledge of databases including Oracle 10g,11g and MySQL and SQL Server accompanied with the methodologies of Software Eng. process like SDLC, Test Driven Development, Agile Methodologies –SCRUM.
* Instrumental in the creation of test scripts, executing them and reporting the results to the project interested stakeholders. Performing Defect Analysis to ascertain any non-compliance with the set procedures /guidelines.
* Testing software programs to compare to specifications and documentation. Providing QA test status and progress reports as appropriate to interestedstakeholders.
* Adept in using various bug tracking tools such as **JIRA and Bugzilla**for detailed bug report and defect analysis followed by expertise in the use of build/integration tools such as **Maven, Jenkins andGit.**

**Technical Skills**

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| Languages/Technologies | Java, SQL, XML, HTML, Groovy, Python, JavaScript, PL/SQL and Gherkin |
| Testing Tools | Selenium Web Driver, TestNG, JUNIT, SoapUI and JMeter |
| Server Tools | Putty, WinScp |
| Testing Servers | JBoss 7.2.0 |
| Web Tools | Firebug, Fiddler, Wireshark |
| Tools & Frameworks  LoadRunner, Toad | GitHub, Jenkins, Bamboo, ANT, Maven, JIRA, Mercurial, Bugzilla, QC, |
| Databases | Oracle 10g, 11g, MS SQL Server and MySQL |
| IDE’s and build tools | Eclipse, NetBeans, Maven and Gradle. |
| Operating Systems | Windows 7/10, Mac OSX, LINUX |

**Professional Experience**

**Mercedes, San Jose, CA, Jun 2017 – Present SDET**

**Project:** Currently working in a team of four on the Mercedes Employee Dashboard Portal based on an internal cloud application using AWS. I have been working from the start of the project conducting Load Test, Stress test, Functional Test and Integration Test on the base model followed by Regression test for the continuous updates of the website. I have used page object model for traversing through multiple webpages in a controlled environment enabling complex test cases to observe the full functionality of the website. The development process used is BDD using Cucumber.

# Responsibilities:

* Develop test strategy and create test plan/test cases for testing various products ofMercedes.
* Interacted with business analysts in requirement review and walkthrough meetings to understand requirements for functional, usability and securitytesting.
* Involved in load testing of various modules and software application using Jmeter andLoadRunner
* Generated reports based on the performance of web services used and the issues that were generated using XSLT.
* Comprehensively handled QA process (weekly sprint) in an Agile environment along with releases on demand for criticalprojects.
* Responsible for testing UI functionality of the User account management, search and shopping cart module pages using Selenium Web driver andTestNG.
* Experience in providing the efficient locators strategy like XPath and CSS to run WebDriver script in stable conditions as well as identifying web elements usingfirebug.
* Developed Page Object Model and Page Factory Framework to automate testing using Java andTestNG.
* Performed backend regression testing by writing SQL statements to review the returned data to ensure that the correct data wasretrieved
* Automated Partner RESTful services using POSTMAN and RestAssured for functional and data drivenscenarios.
* Performed manual testing for Mercedes desktopclient.
* Performed regression testing for every modification made in the Mercedes upon new builds andautomated those steps using SeleniumWebDriver.
* Monitor and track high priority defects on day-to-day basis, write positive and negative test cases to improve traceability and quality ofapplication.
* Reported and tracked the bugs to closure usingJIRA.
* Attending the daily stand up/scrum meeting to discuss status andblockers.
* Update test results and create sign off document for variousreleases.
* Facilitated defect triage process to help in resolving productissues.
* Worked in the agile development environment with frequently changing requirements and features set. **Environment:Java,Gherkin,SeleniumWebDriver,Cucumber,TestNG,Jmeter,Loadrunner,SoapUI,XML/XPath, Oracle 11g, JIRA, Jenkins, GitHub, Eclipse,MacOSX.**

# SanDisk Corporation, Milpitas, CA, Jan 2016 – Jun 2017 Software QA Tester

**Project:** SanDisk Corporation is the global leader in flash memory cards - from research, manufacturing and product design to consumer branding and retail distribution.I have worked on supply-demand analysis and Order Fill Rate metrics. I have also been part of the integration team and developed & Tested workflows for data migration into the staging database and Operational Data Store (ODS) database. I have also worked on AUTOSYS, the scheduling tool, for monitoring and troubleshooting issues with production runs.

# Responsibilities:

* Developing test plan and teststrategy.
* Review of the test cases written for unit and integrationlevel.
* Integrating the test scripts written for individualunit.
* Developed scenarios to help find out the bottle necks of resources and capacities in SanDisk supplychain.
* Monitored daily Supply Chain Planner and Factory Planner workflow for fill ratereport.
* Writing SQL queries and Database Checkpoints to verify data quality and calculations,reviews.
* Performed data validation testing writing SQLqueries.
* Using TDD approach extract the data required for testing from .csv files and tested them using Robot framework.
* Participate in Bug review meetings with software developers, QA engineers, managers and suggested enhancements to the existed application from business perspectives, provided solutions to existingbugs.
* Programmed shell scripting using Python and run batchjobs.
* Developed and maintained test automation frameworks, and scripts for platform testing using Python, Cucumber, andREST-Assured.
* Effective coordination between development team and testingteam.
* Monitoring Data Loads and the whole productionworkflow.

# Environment: Selenium WebDriver ,Python, REST-Assured, Windows 10, SAP, PL/SQL developer, Unix, Oracle Database, SQL, MS Office, Putty, MS Visio, AUTOSYS.

**T-mobile, Bellevue, WA, Feb 2015- Dec 2015 Mobile Software QA Engineer**

**Project:** T-Mobile US provides wireless voice, messaging, and data services in the United States. he company operates the third largest wireless network in the U.S market with over 65.5 million customers and annual revenues of $32 billion. Duties included testing popular apps over their network for performance.

# Responsibilities:

* Hands on experience in Quality Assurance including Functional, System, Smoke, Regression, Integration, User Acceptance Test (UAT) and Compatibility Testing of Web basedApplications.
* Expertise in reviewing/analyzing Software Requirements Specification documents (SRS), Business Requirement Documents (BRD), creating and developing Test Plans, Test Cases and test Scripts and interacting with DevelopmentTeam.
* Tested various application using Appium on IOS and Androidplatform.
* Performed testing of REST based Web services using RestAssured.
* Expertise in Manual Testing and Automation Testing and Service OrientedArchitecture.
* Developed Business Process Testingcomponent.
* Experience in B2B cloud-based sales force technology Demandware
* Experience with bug tracking tool JIRA and HPALM.
* Experienced in SQA (Software Quality Assurance) including Manual and Automated testing using tools SELENIUMWebDriver.
* Established continuous integration (CI) practices and standards for the Project and build jobs to provide continuous automated builds based on polling the Git source control system during the day andperiodic scheduled builds overnight to support development needs using Jenkins, Git, andMaven.
* Develop the Test scripts using Data Driven framework withTestNG.
* Communicating with Test Leads, QA Manager, Developers and Project Manager to resolve the Testing Issues and Defects.
* Proven ability to work in both independent and team environments with superior problem solving, analytical, presentation, good inter personal skills and self-motivated teamplayer.
* Analyzing skills with a desire to learn and adapt to new technologies andtools.
* Experienced in Software Development Life Cycle (SDLC) working from Scratch to Implementation phase in Agile- Scrummethodology.
* Excellent problem-solving skills with strong technical background having the ability to meet deadlines, work under pressure and quickly master newtechnologies.

# Environment: Selenium WebDriver, Appium, Android WebDriver, PL/SQL developer, JAVA, Oracle Database, SQL, MS Office, Putty, MS Visio, AUTOSYS.

**Discover Financial Services, Houston, TX, Jun 2013 – Jan 2015 Software Quality Assurance Analyst**

**Project:** Discover is the United States second most popular credit card facility. Working on ATM Financial Modernization Project where ATM Financial Processing is migrated from existing Legacy Tandem Blade Infrastructure to modern Software architecture and cost- effective infrastructure on the Linux/Oracle environment. This project takes the phased Approach.

# Responsibilities:

* Gathering Requirements in Requirement Phase, analyzed requirements and developed detailed Test Plan and identified the priority functions totest.
* Experience in requirement gathering and analysis, data analysis, data mapping, functional design, quality assurance/Testing anddocumentation.
* Developed Test Plans, Test Scenarios, Test Cases, Traceability Matrix, Test Status Reports and Test Execution Metrics.
* Developed and Executed the Test cases to ensure the functionality of the Application and performedFunctional Testing, System Testing, Regression Testing, Integration Testing and involved User Accepting Testing(UAT) and Business AcceptanceTesting(BAT).
* Tested Discover account customer portal and web services using tools like Postman and REST-Assured.
* Participation in Requirement / Use Case analysis, risk analysis and helping Configuration ManagementTeam.
* Created Test Cases and reviewed them with the Testlead.
* Executed all the Test Cases in the Testing Phase and maintained them and documenting the test queries and result for futurereferences.
* Retested the modifications once bugs are fixed after reinstalling theapplication.
* Generated Reports and Graphs and Reported the bugs to developers usingJIRA.
* Generated Problem Reports for the defects found during execution of the Test Cases and reviewed themwith the Developers. Worked with Developers to identify and resolveproblems.
* Assisted Team members in knowledge transfer of theApplication.
* Involved in Defect Review meetings with Business Core Team and Developed use-case Analysis. **Environment:Selenium,QuickTestPro,Oracle,SQLDeveloper,MySQL,VB,Windows7/XP/Vista,UML,HTML, XML, XSD, WSDL, Web Services,JIRA**

# Deustche Bank, New York, NY, Feb 2012 – Jun 2013 Software QA Analyst

**Project:** Deustche Bank is a full-service commercial bank, providing a broad mix of financial services to businesses and individuals, project main focus was to develop a Web-Based Application for banking center to submit application for new Personal and Business Checking, Saving, Fixed Deposit, and IRA accounts which can integration in Bank Deposit System.

# Responsibilities:

* Analyzed business requirements and technical specifications for clarity, completeness, testability andgaps.
* Used Requirement Traceability Matrix (RTM) to map test cases with the Requirements. Created Test Plan templates with application related features including Entrance & Exitcriteria.
* Implement, gather and report team and project metrics which demonstrate business value and showing continuous improvement in an Agileenvironment.
* Developed detailed Test cases step-by-step according to the requirement in MS Excel first and later exported them into HP QualityCenter.
* Conducted Test case review meetings with the team to ensure test coverage in everyaspect.
* Involved in Smoke, Functional, Integration, End to End, Security, and Regressiontesting.
* Wrote and executed SQL queries using SQL developer in Oracle database to validate the testresults.
* Developed test scripts using QTP for Functionality, Security and Regression Testing. Used various checkpoints and output values in automated scripts to validate links, objects, images and text on web pages,etc.
* Created Shared Object Repositories to simplify scriptcalls.
* Managed the Resource Allocation and Trained the Team Members in Agile, Quality Process and SOA Methodologies.
* Parameterization and Data Table creation for the parameters inQTP.
* SuccessfullyTrainedtheJuniorTeamMembersinAgileProcess, SOATestingMethodologiesandTestingProcess.
* Worked closely with developers to track and follow through on all software bugs, and provided more information about Bugs, helped them in fixing thebugs.

# Environment: HP ALM, Quick Test Pro, Oracle, SQL Developer, PL/SQL, C#, .NET, VB, Windows 7, UML, HTML, XML, XSD, WSDL, Web Services, JIRA.

**ZocDoc, New York City, NY, Jan 2011 – Feb 2012 Software QA Tester**

**Project:** Zocdoc is an online medical care scheduling service, providing free of charge medical care search facility for end users by integrating information about medical practices and doctors' individual schedules in a central location.

**Responsibilities:**

* Identified the Test Scenarios based on Functional SpecificationDocument.
* Prepared for test cases, requirement mapping andexecution.
* Managed, Documented and Maintained Test Cases, Test scripts and test resultsusing
* Quality Center and provided status update report using MSExcel.
* Involved in User Acceptance Testing and helped the end users about the new application. Performed back- end/database testing for applications updating thedatabase.
* Performed cross browser testing to ensure compatibility of the application on IE, Chrome, Netscape Navigator andFirefox.
* Communicated high priority defects to the QA lead and Developer for immediateaction/follow-up.
* Collaborated with analysts, developers, and project managers to create, review, and update SELC documents and deliverables in an Agileenvironment.
* Performed functional, negative, regression and smoke tests on enhancements to the webapplication.
* Created detailed periodic status reports to update senior management on the progress of implementation. **Environment: QC, Oracle, SQL Developer, Toad, PL/SQL, JIRA, C++, Java, Java script, VB Script, XML, HTML, Unix, Microsoft Office (Excel, Word, PowerPoint),Windows**

# Hillcrest High School, Dallas, TX, May 2010 – Dec 2010 Software QA tester

**Project:** Worked as Manual QA tester in at Hillcrest High-school. Worked with student portal regarding finances, grades and coursework catering the needs of over 300 students providing timely reports and analysis.

# Responsibilities:

* Understood the Client Requirements and converted them in to TestRequirements.
* Analyzed the dependencies over the End UserRequirement.
* Actively involved in the preparation of the Test Plan, Designed TestEnvironment
* Designed the Test Cases and TestData
* Involved in the testing such as Functional, GUI, and Regression using Quick TestPro.
* Responsible for Generating, Executing Scripts and Analyzing results usingQTP
* Verification and validation of the Test Results after Every Cycle ofTesting.
* Communicated in between the Senior Management, Development and TestingTeam.
* Verification of the Metrics and Project Graphs in regularintervals.
* Bug Report generation and defect tracking using QualityCentre.

# Environment: JIRA, MySQL, Selenium, Java, Windows, UNIX, LINUX.

**Education**

* Master’s in Computer Engineering, USA,2008-2010
* Bachelor’s in Electrical and Electronics Engineering, India,2003-2007