**RUPA**

**Automation Tools Development Engineer**

**PROFESSIONAL SUMMARY:**

* Skilled professional offering an experience of over **10 years** in the IT Sector, in Automation and Tools development for Desktop and Web applications .
* Proficiency in **C#.Net, ASP.Net**, Testing Methodologies, Test automation Frameworks, SDLC Management and Agile methodologies.
* With a good professional record I aspire to join in a key leadership position as SDET lead where in my diligence and extensive experience in automation and tools development contribute to the growth and success of the organization.
* Design and Develop automation Frameworks suitable to test environment
* Design and develop Windows and web based applications
* Interacting with the clients to understand their project requirements and specifications.
* Preparing the design documents in sync with the technical specifications.
* Organizing KT sessions for the new team members ensuring smooth knowledge transition.
* Responsible for handling the entire project life cycle.
* Carrying out performance tuning of the developed app and fixing the bugs.
* Maintenance of Active Directory for security domains, user profiles and other network resources.

**TECHNICAL SKILLS:**

* Programming : C#,.Net, ASP.Net
* Automation : Microsoft UIA, Selenium web driver, Selenium IDE API Test

Automation, Coded UI

* Testing: Black box, API Testing, White Box Testing, UI, KPI Testing,

Regression and UAT

* Databases: Microsoft SQL Server 2008
* Virtualization Technologies : Citrix Xenserver/Xendesktop/XenAPI, HyperV
* Tools: Perforce, AutoIt, OpenCV, SIKULI, Image Magic, AGILEFANT
* Work Models: Scrum, Agile

**Education:**

* Bachelor of Technology (B. Tech) – Computers JNTU

**NVIDIA Graphics, Santa Clara, CA July 2010 – Till Date**

**Sr. Automation Tools development Engineer**

NVIDIA Tools and Test Infrastructure: NVIDIA has internal tool development team to cater the needs of QA organization. As part of this project, it involves development and maintenance of several internal tools and automation frameworks that helps testing teams for automation and reporting purposes.

**Responsibilities:**

* Develop Tools and Automation for NVIDIA Graphics Driver and Graphics intensive applications over Various OS platforms.
* Work closely with Stakeholders for requirement analysis and Feasibility analysis and feature requests.
* Coordinate among team members for tools development.
* Perform unit testing/validation Testing
* Fix bugs and handle the new change requests to the tool.

**Environment:** C#, ASP.Net 4.0, SQL server 2008, AGILEFANT

**Scheduler Elite:**

Scheduler Elite is an internal NVIDIA tool that gauges the testing requirements for test systems with NVIDIA GPU. The tool helps to perform the extensive testing of the automated scripts by generating a test configuration matrix based on the supported hardware configuration of the test case, executing these tests in the test farm, collecting the results, consolidating and sending the reports.

**Responsibilities:**

* Assigned complete ownership of the project.
* Gathering requirements for the tool, developing a design and implement the tool,
* Perform unit testing and deploying for use.
* Fix bugs and handle the new change requests to the tool.

**Environment:** C#, ASP.Net 4.0, Ajax, SQL server 2008

**Automation of Virtualization Test plan for NVIDIA graphics cards:**

NVIDIA graphics card are used in Virtualization Infrastructure and test plans are written to test the GPU virtualization feature. This project is to create a framework to automate the virtualization test plan and execute the tests cases in automation fashion to save man hours. Virtualization applications include Parallels Extreme 6.0, Citrix XenDesktop 5, and XenServer 6.1.

**Responsibilities:**

* Responsible for designing the automation framework required for executing Virtualization test cases
* Automate the test cases from the test plan,
* Perform unit testing and deploying for use.

**Environment**: C# (4.0)

**NVIDIA Graphics card test case automation:**

Several applications were developed in C#.NET (console applications) using UI Automation feature provided by .NET 3.5 Platform. Microsoft UI Automation is the new accessibility framework for Microsoft Windows available on all operating systems. Automation includes Mouse operations, Keyword stimulation and UI Automation Element operations. These applications were deployed on Automated Test Platform (ATP) which is in house made application used for Automation.

**Responsibilities:**

* Developed UI automation framework for NVIDIA applications and test cases
* Report Defects in the applications.
* Perform unit testing and deploying for use.

**Environment**: C#.Net, Windows Forms

**Microsoft, Redmond, WA Feb 2006 - June 2010**

**Module Test Lead**

Microsoft Office Localization: Microsoft Office is a suite of interrelated desktop applications, servers and Services for the Microsoft Windows. Applications include Word, PowerPoint, InfoPath, Project, Access, Outlook, Publisher, Groove etc. The project deals with testing of each application in the localized language filing bugs and fixing the same.

**Responsibilities:**

* Assigned complete ownership of the project.
* Tracking the defects reported by the client ensuring their quick resolution.
* Compliance with the SLA to resolve the bugs.

**Environment**: C#, Microsoft Source Depot and Microsoft Internal tools

**Windows File system utilities:**

This project is to provide the sustenance activity to the Microsoft Windows platform in various Windows File system utilities: flavors of operating systems. This has various Kernel components and User mode components and different applications to test. Various windows File system utilities include Brach Office (DFSR and DFSN), FRS, /SFUI /DQUI.

**Responsibilities :**

* Management and execution of test cases.
* High level debugging with Windbg and KDbg and troubleshooting H/w and S/w issues.
* Testing of the Service packs for file system utilities, which includes bug fixes and security updates, Builds testing, and closing of bug activity by performing the regression testing.
* Study of the Test Plans, Test Execution (Manual and Automated), Bug Tracking, and Triaging and closure activity in bug tracking tool.
* Testing activities like BVT (Sanity Testing), Functional Testing/Regression Testing, Stress Testing, Private testing (Unit Testing), Security Testing, and Inter-operability testing as part of the Functional Testing

**Environment:** C#, CMD Scripting, Microsoft Source Depot

**Automation Tools:**

This project is to provide the sustenance activity to the Microsoft Windows platform in various flavors of operating systems and Architectures. This has various Kernel components and User mode components and different applications to test.

**Responsibilities:**

* Involved in Test automation activities and migration of tests Windows Test Technologies 2.1 an automation tool for Windows testing activities.

**Environment**: C#, CMD Scripting, Microsoft Source Depot

**Automation of Windows File Replication Service:**

**Unit tester/ Developer**

* The project involves the test automation of Functional test cases for FRS (File Replication Service ) which is one of the kernel services for Windows operating System 2000/2003/2003 R2.
* The Automation involved the automation of Manual test cases for the FRS component using C#.
* These test cases verify the Functional behavior of FRS.

**Environment**: C# .net 2005, Windows API.