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832-209-9345

**PROFILE:**

* + **10.5 years’ Software Testing** experience**: manual** as well as **automated testing**; more than **6 years’** experience in **leading teams**
  + Currently working as a **Testing Lead** for an Oil & Gas client
  + Sound knowledge of **Software Development Life Cycle** and **Software Testing Life cycle.**
  + Experience in various stages of software testing such as **Requirement analysis, Test estimations, Test planning, Execution, Defect reporting and tracking, reviewing test artifacts, UAT support**
  + Experience in Automated Testing:
    - 6 years’ experience in functional software automation testing tool **Quick Test Professional,** which includes working on various applications like **windows, web based, client server** and **ERP applications** **SAP** and **BPCS**
    - 3 years’ experience in creating unit tests with **C# using Visual Studio using VSTS framework nUnit** for **.Net Applications** and **debugging the applications.**
    - 3 years’ experience each in software test management tools **Microsoft Test Manager, Quality Centre, Test Director.**
    - 3 years’ experience in defect management tools **TFS, Quality Center, DevTrack, Test Track Professional**
  + Expertise in **designing automation frameworks (Hybrid, Keyword or Data driven) for QTP**
  + Expertise in **test script design using Descriptive Programming**
  + Good knowledge in the **language C#**
  + Expertisein developing and implementing requirements-based and business based **test plans, test strategies, test cases**, and documentation of **QA Procedures, methodologies**.
  + Expertise in
    - applying **Black Box Testing techniques,** and also **White Box testing**
    - all levels of testing: **Unit Testing, Component testing, Integration Testing, System Testing**
    - different types of testing: **Software Installation and Upgrades, Regression, Regional/Localization testing, Smoke and Sanity testing**
* Good understanding of **Non Functional testing** and its concepts, performed **Load testing** and was also involved in testing Memory Leak of Web application
* Testing knowledge in APIS testing and Web Services testing using SOAPUI
  + Experience in **Test environment setup** and **maintenance including** installation of **various software products** and **applications e.g. database software Oracle, SQL Server and other client applications,**
  + Hands on experience in writing and executing **SQL queries** to test the results of the application making use of **joins, sub queries** and other **DML and DDL** operations.
  + Very good understanding and working experience in **.Net Applications** **(Windows, Web),** and operational knowledge ofother **Client Server** applications as well as ERP applications**: SAP SD, BPCS**
  + Remarkable ability to design test strategies to conduct back end testing
  + Experience in **software scripting languages e.g. VBScript, HTML**
  + Experience in **leading automation and manual testing teams across onsite/offshore model.**
  + Experience inworking across multiple domains **Oil and Gas, Healthcare, Futures and Derivatives**.
  + Knowledge of **WITSML** standards and **Real Time applications**
  + Outstanding **communication** and **self-organizing skills, assertive** and **committed team player, e**xperience in facing the clients.
  + Demonstrated excellent troubleshooting skills with minimum or no help from developers in case of any errors/issues while performing the test execution
  + Good at **multitasking** and able to work well under t**ight deadlines** with **high efficiency**, f**ast learner** with ability to **understand** and **scale up** to the business needs.
  + Efficient in adhering to **QA methodologies and Processes**

**SKILLS:**

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| --- | --- |
| **Testing Tools**   * Quick Test Professional 8.2/9.0/9.5 * Quality Center 9.0 * Test Director 8.0 * Test Track Professional * Excel Macro programming * Microsoft Test Manager 2010 * WinRunner * Visual Studio C# * SOAP UI | **Operating systems**   * Windows XP/Server 2003/7/Server 2008 R2   **Languages**   * C#   **Scripting Languages**   * VBScript * HTML |
|  |  |
| **Databases**   * SQL Server 2005 * DB2 * Oracle 11.2.0.3 | **Database Query tools**   * SQL Management Studio * Advanced Query Tool (AQT) * Oracle SQL Plus * Oracle SQL Developer |
|  |  |
| **Unit testing tools**   * NUnit * Visual Studio 2008 | **Profiling Tools**   * Perfmon * ANTS profiler * .NET Memory Profiler |
|  |  |
| **ERP**   * SAP Sales and Distribution and MM * SAP GUI Client and SAP R2 Server * BPCS (AS400 application) | **Others**   * Excel Macros (VBA) * VMWare Tools * TFS 2010 * WITSML * Knowledge of TFS APIs |

**WORK EXPERIENCE:**

**Project Details:**

1. **Client: Kongsberg Oil and Gas Technologies, Houston(TX) Aug 2011 - Current**

**Testing Lead, Well Advisor**

Well Advisor is a Real time web based application (belonging to Discovery Web core application) dealing with the logs that are collected by the logging companies. It takes real-time data from wellsites and transforms it into charts and graphs which are easy to understand. It has the capability to import the logs, perform certain specific calculations and present it to the wellsite engineers with beneficial information to complete their subsequent tasks. The underlying database is a SiteCom setup which can be deployed on a SQL Server or Oracle database server. It communicates various helper services under the umbrella of SiteCom suite of services. The project included testing consoles Pressure Testing and BlowOut Preventer. Pressure testing is normally performed by pumping mud or other fluid into a targeted subsystem until a target pressure is reached and sustained for a given period of time. Pressure Testing Console is designed for that purpose. BOP Console is designed to received alarms and Events in OPC AE standards and display them on the specific widgets designed inside the Well Advisor framework to alert the engineers. The Consoles are delivered in iterative model to the customer.

Application is designed on .Net Framework with C#. Team Foundation Server and Visual Studio 2010 is used for source code storage, versioning, build management, Integrated Development Environment and as a complete Application Management Lifecycle tool. Microsoft Test Manager is used for creating Test Plans, Cases, Environments and creating ground for execution of test cases.

As a Console Test Lead, the responsibilities included:

* + Software Requirement analysis for testability, working with project management team, developers and business unit in the requirements gathering process to determine effective test strategies and scenarios to have effective requirement coverage for every Release
  + Test Planning and estimation, create and maintain the Test Plan document for every release incorporating Change Requests and Enhancements in the Test Plan and revising the estimates and update the Project Plan accordingly
  + Tasks distribution to the team and maintaining Work Breakdown structure using TFS
  + Reviewing the Test Cases of the team ensuring proper validation techniques being used e.g. data verification in the databases
  + Developing Unit test cases in C# using NUnit Framework and Visual Studio and executing them
  + Developed utility applications using C#, VBScript, Excel Macros which could be used day to day testing activities especially in generating different sets of test data from a given test data file.
  + Collaborated with developers to analyze and track defects and determine root causes
  + Debugged application errors and tested server/application installation platforms which includes using Visual studio tools in case of errors, looked and understood the application tracelogs to determine the cause of an error/exception
  + Test environment and Data setup including Operating System, 3rd party software and internal software and services (SiteCom and Discovery Web suite of) including Software products and applications installation e.g. database software Oracle and SQL Server
  + Usage of WITSML standard tools and real time application framework
  + Effective management of the test data to be used during the test execution
  + Performing and managing Functional, System and Integration test execution of the Well Advisor (Discovery Web and SiteCom) application ensuring proper process being followed during the test execution
  + Performing Smoke Testing for the application builds and proceed with the test execution
  + Manage Regression Testing before every Release
  + Maintaining Test execution summary reports for each level of testing and hand over the report to the project management team.
  + Defect triage with the Development Lead and Project Manager and plan for retesting/regression ensuring proper defects closure in TFS
  + Observed the performance parameters of the application using Perfmon and keeping watch on prospective Memory Leak.
* Provided User Acceptance Testing support for the application being tested at the client side
* Tools used: Microsoft Test Manager, TFS, Visual Studio, WITSML, Excel Macro, Perfmon, ANTS
* Developed excel macro tools to assist in verification of charts.
* Created C# programs to export bug from excel to TFS using TFS API and convert WITSML(XML) standard data to excel

1. **Client: Weatherford, Houston(TX) Jun 2008 – Jul 2011**

**Testing Lead, QA Services**

The client serves oil and natural gas exploration and production industry with equipment and services used for the drilling, completion, and production of oil and natural gas wells in the United States and rest of the world. The project included testing applications LOWIS, WPS, PVTFlex

LOWIS is a web-based suite of software tools designed to enhance the efficiency and effectiveness of well optimization processes. Testing team was involved in the releases of LOWIS 5.0, 5.1, 5.2 to its customers. The application was tested manually as well as using automation tool QTP. The application was built on csScript and involved multiple third party controls. Well Performance Server was designed to analyze the performance of different wells and the behavior of petroleum fuels in wells. It did not have a GUI. The fluid data is obtained from different applications and analyzed. The scope was to test them automatically (without manual intervention) using a simulator which can be any automated test tool. Due to a large number of manual test cases (related to different sets of data) and the fact that WPS was being continuously upgraded to cater to increasing needs of other applications integrated, it was decided to automate the testing activity using VSTS and NUnit. PVTFlex is a stand-alone windows application developed on C++. It had 3rd party controls like Infragistics and SyncFusion. Scope was to automate the testing activity using QTP and test execution before every release.

As an offshore Test Lead, the responsibilities included:

* + Test strategizing, planning, scheduling, estimations including creating and maintaining Test Plans for manual as well as automated testing for LOWIS and PVTFlex
  + Tasks assignment to the team and maintaining the Requirements Traceability Matrix
  + Developed Hybrid framework(mixture of Keyword and Data driven framework) for automation testing using Quick Test Professional(QTP) and planning the automated tests and schedule
  + Prepared Coding principles documentation for the automated testing using QTP
  + Created and managed Test Library of functions for the automated tests
  + Created automated tests using the framework and reviewed the scripts of the team
  + Used Descriptive Programming to identify objects in the application for flexibility, scalability, and efficiency.
  + Enhance Testing quality through inserted Standard Checkpoints, Bitmap checkpoints Database checkpoints and Text checkpoints using QTP.
  + Maintained traceability of the manual test cases to the automated test scripts
  + Reviewing manual test cases and managing the test execution during the Functional and System testing ensuring proper techniques were being followed
  + Maintaining Test execution summary reports for each level of testing and hand over the report to the project management team
  + Manage Regression Testing for every release
  + Defect triage with the Development Lead and Project Manager and plan for retesting/regression ensuring proper defects closure in DevTrack
  + Collected and maintained various test metrics at different stages of testing
  + Created Unit Test cases using VSTS 2008 on C# and executed on NUnit for Well Performance Server
  + Test Artifacts and deliverables review of the team
  + Defects reporting and tracking, Test Results Report design and Metrics collection and maintenance
  + Test environment maintenance by setting up the Test servers and ensuring the proper installation of prerequisite software
* Weekly Status Reporting to the client and the higher management
* Tools used: Quick Test Professional, NUnit, VSTS 2008, Excel Macros
* Developed excel macro tools to record daily and/or weekly test execution summary.

1. **Client: GlaxoSmithKline (UK) Dec 2007 – Mar 2008**

**Testing Lead, CDR**

The project was executed for a Healthcare client. Clinical Disclosure Reporting is a way of reporting for the Clinical IDs used in the DCS IT department of GSK. The project is divided into 6 components DMU, CTSSII, CHCSLU, DTS, VCTR, and GBR. Satyam was involved in the development and System Testing of the components DMU, CTSSII, CHCSLU and DTS. The other two modules were developed by another vendor of GSK.  Data to CTSSII (Datastage7.5 application) is taken from grip database and excel sheets uploaded using web application developed by CHCSLU(VB .net application) .The output from CTSSII is taken and given to a 3rd party (Veritas), through DTS (Unix shell scripts). The DMU module uses JavaScript for extracting the data and sending it to 3rd party (Veritas). MERPSs and BEBOP SAP applications were used for enterprise applications.

As an offshore Test Lead, the responsibilities included:

* + Coordinating the testing activities of the offshore testing team of 5.
  + Consolidating the status of the testing deliverables on a daily basis and sharing it with the Project Management.
  + Sending Weekly Status Report to the client.
  + Review the System Test Cases before sharing with the client for approval.
  + Preparation of System Test Plan including strategy for testing of the SAP applications
  + Reviewing and revising the schedules in case it is required due to change requests in coordination with the Project Manager.
  + Designing the automation strategy for CDR and BEBOP and MERPS SAP applications using QTP
  + Functional testing and automation for SAP SD and MM module for BEBOP and MERPS
  + Used Descriptive Programming to identify objects in the application for flexibility, scalability, and efficiency.
  + Reviewing the Test Results and Test Report before sending them to the customer’s approval and sending the report to the Project Manager.
  + Tools used: Quick Test Professional, SAP GUI, Excel Macros, Quality Center

1. **Client: GlaxoSmithKline (UK) Jul 2007 – Nov 2007**

**Testing Lead, MDRIT**

The project was executed for a Healthcare client. The client was seeking, for one of its divisions, the services of a project lead for overlooking the deliverables for the project teams in UK. MDR IT is the IT division of Medicine Discovery & Research arm of the client. The projects involved were from Biology and Chemistry domain. The applications were for internal use by the scientists working for MDR IT. Keeping in mind the sensitiveness of the quality it was required to have a personnel based in UK to overlook the projects from the site. BEBOP was used for enterprise level application

As an onsite Test Lead, the responsibilities included:

* + Onsite coordinator for 5 projects.
  + Involved in the project deliverable activities from Onsite.
  + Interacting with the Clients for different projects on a daily basis.
  + Leading the team from Onsite and taking care of the daily activities of the project.
  + Preparation and review of Test Plans
  + Review of Test Cases prepared by offshore team before delivering to client
  + Designing the automation strategy for CDR and BEBOP SAP applications using QTP
  + Functional testing and automation for SAP SD and MM module for BEBOP and MERPS
  + Used Descriptive Programming to identify objects in the application for flexibility, scalability, and efficiency.
  + Weekly Status Reporting
  + Responsible for all the deliverables to the client.
  + Opening and closing of the projects from the vendor side.
  + Tools used: Quality Center, SAP GUI Client, QTP

1. **Client: GlaxoSmithKline (UK) Jan 2007 – May 2007**

**Team Lead, BPCS Automated Testing**

The project was executed for a Healthcare client. The client was seeking was seeking delivery of a test solution to develop automated regression suite for “BPCS Regression Testing” using Mercury Tools QTP 8.0, TD. BPCS is an AS 400 Application used as an Enterprise Application and it is still being used and maintained. We used RUMBA 2000 to access the Application and complete our Testing activities. The aim of the project was:

* + Development of automated regression test suite for the specified BPCS System Test Cases.
  + Test execution and reporting of the automated test scripts using TD

Automated Scripts were developed according to the System Test Cases provided by the appropriate Business Analysts/Consultants. The Scripts were developed in such a manner so as to reuse them across environments. The Scripts were run whenever certain settings have been changed.

As a Team Lead, the responsibilities included:

* + Involved in the project deliverable activities from Onsite.
  + Interacting and getting regular updates from the Client on a daily basis.
  + Leading the offshore team of 4 from Onsite and taking care of the daily activities of the project.
  + Development of automated Regression Test Suite for the Client to test the settings after each major release of application.
  + Creation of Automated Test Scripts from the manual test cases using Quick Test Professional
  + Uploading of the Test Scripts in to Test Director
  + Running and Executing the Test Scripts in Test Director
  + Test Results report to client, Weekly Status Reporting
  + Tools used: Quick Test Professional, AS 400, Test Director, SAP

1. **Client: GlaxoSmithKline (UK) Oct 2006 – Dec 2006**

**Module Lead, SARBOX SAP Automated Testing**

The project was executed for a Healthcare client. SARBOX Automated Testing involved verifying the Configuration Settings for 3 different Servers. The scope of the project was to develop Automated Scripts which would check the various Configuration settings for each of the SAP Application environments namely OPERA, MERPS and BEBOP. The configuration settings of all the above said environments were updated according to the needs of the Business. After each update, all the Configurations were to be verified. So there was a need to automate the testing. Automated Scripts were developed according to the System Test Cases provided by the appropriate Business Analysts/Consultants. The Scripts were developed in such a manner so as to reuse them across environments. The Scripts were run whenever certain settings have been changed.

As a Module Lead, the responsibilities included:

* + Involved in the project deliverable activities
  + Leading the testers for the module from Offshore.
  + Coordinating the activities with the Onsite Lead and the Client
  + Development of Regression Test Suite for the Client to test the settings after each major release of application.
  + Creation of Automated Test Scripts from the manual test cases
  + Uploading of the Test Scripts in to Test Director
  + Running and Executing the Test Scripts
  + Tools used: Quick Test Professional, Test Director, SAP Client

1. **Client: GlaxoSmithKline (UK) Sep 2005 – Sep 2006**

**Module Lead, BEBOP, MERPS 2, LES SAP Automated Testing**

BEBOP Market Implementation Project basically involved with the execution of Automated BEBOP Scripts across different Markets as was required by GSK which has presence in many countries across the world. Each country in which GSK has operations is treated as Markets having different configurations. The Automated Scripts which were developed in BEBOP were run/reused for different markets according to the specific Market requirements as was warranted. The BEBOP Automated Scripts were run for European Countries viz. Denmark, France, Austria, Portugal.

GSK-MERPS 2 is an SAP R\3 application used by GSK having modules like FICO, SD, MM, QM and WM. This application is used in the Manufacturing process in GSK. The project was used to test the performance of this application under various load conditions. Based on the traffic, 10 most frequently used transactions were identified and tested. This application was tested with 100 Vusers. We developed the scripts using VUGen. These scripts are then loaded into the Performance center. In performance center we created the scenario based on the number of Vusers and the duration of Run. At the end of the Test we generate the Results log from the Performance Center. These results log is then used to generate the test report. The results are then analyzed and the test summary report is prepared.

Separate Test Sets were created for each of the Markets in Test Director. The Scripts were executed using Market Specific Data

As a Module Lead, the responsibilities included:

* + Creation of Automated Test Scripts in QTP 8.2 from the Manual STCs
  + Uploading the Test Scripts into Test Director 8.0
  + Executing the Test Scripts through Test Director 8.0
  + Logging the Bugs in TD
  + Analyze the SAP transactions that are chosen for automation
  + Manual execution of the test cases for automation readiness
  + Prepare the analysis step document for each of the test case
  + Review the test scripts of the team
  + Prepare the test data for each of the transactions
  + Create the scripts using VUGen
  + Upload the test scripts in the performance Center
  + Create the scenario and execute the load test
  + Generate the results from the Performance Center
  + Create the test report .
  + Tools used: Quick Test Professional, Test Director, SAP Client

**EARLIER PROJECTS:**

1. **TEAM MEMBER, GLOBAL CLEARING SYSTEM, –** **[Mar 2004 – Aug 2005]**

Banking Client, Manual testing, Tools used: Test Track Professional, DB2, AQT

1. **TEAM MEMBER, CAIRO, –** **[Jan 2004 – Feb 2004]**

Retail Client, Manual testing, Tools used: Test Track Professional, DB2, AQT

1. **TEAM MEMBER, MERLIN OVC, –** **[Dec 2003 – Jan 2004]**

Automobile Client, Manual testing, Tools used: SQL Server

**Note:** Detailed Project summary of the projects will be provided upon request.

**Customer Profile:**

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| --- | --- | --- |
| **Employer/Organization** | **Customer** | **Duration** |
| Infosys Limited | Kongsberg Oil & Gas Technologies | Aug 2011 – Till date |
| Weatherford International(Houston) | Jun 2008 – Jul 2011 |
| Satyam Computer Services Ltd. | GlaxoSmithKline | Sep 2005 – Apr 2008 |
| Macquarie Bank Limited | Mar 2004 – Aug 2005 |
| General Motors | Dec 2003 – Feb 2004 |

**EDUCATIONAL DETAILS:**

Bachelors in Engineering, Utkal University (India)