

Biswajit Das

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I am a test automation enthusiast; have had an opportunity to work on various application software products in Insurance, Banking and Retail domains over last twelve years and learned business functionalities around Annuity, Property & Causality, Auto and HealthCare Insurance line of business. I enjoy exploring options to continuous improvement of quality of products, ensuring testability on product development. My personal interest lies in educating myself with recent trends and technologies in the industry and look for opportunities implementing with in the organizational goal.

AREAS OF INTEREST:-

- Architecting Automation Framework HP UFT, Selenium, BDD
- Mobile Test Automation
- Security Testing
- Performance Monitoring
- Strategizing the QA approach for technically complex and time critical projects
- Data Analytics Testing
- Visual Testing
- BOTs Testing (AI and Machine Learning)

WORK EXPERIENCES:-

- Working as Sr. Automation Test Engineer at Physicians Mutual Insurance Company Since 25th March 2013
- Worked as Technical Consultant at HTC Global Services Inc from 26th November 2012 to 22nd March 2013
- Worked as an IT Analyst at TATA Consultancy Services Limited, from 3rd December 2007 to 21st November 2012
- Worked as an Associate Systems Engineer at IBM India Private Limited, from 31st January 2007 to 30th November 2007.
- Worked as an IT- Engineer at CMC Limited, Kolkata from 07th August 2006 to 25th January 2007
- Worked as an Associate Software Engineer at RS Software India Limited, Kolkata from 15th February 2005 to 4th August 2006.

ACCADEMIC QUALIFICATIONS:-

- **Masters of Science in Computer Science** from **Banaras Hindu University**, 2004.
- **Bachelor of Science in Computer Science** from 1998 through 2001.

PROFESSIONAL CERTIFICATIONS:-

- **AHIP – Information Technology Professional (ITP).**
- **SOASTA – TouchTest Professional.**
- **LOMA** Level1 Certification.
- **HP** Accredited Integration Specialist –**Quick Test Professional 9.x.**
- **HP** Accredited Integration Specialist –**Quality Center 9.x.**
- **HP** Accredited Integration Specialist –**LoadRunner v11**
- International Software Testing Qualifications Board (**ISTQB**).
- Six Sigma Green Belt.
- Certificate Program in Banking Competency.
- Basics of US Mortgages.
- Basics of US Insurance.
- Health Care EDI

TEST ACCELERATORS IMPLEMENTED:-

- Mobile Continuous Testing Framework – Appcelerator CLI, Mocha Unit Test, SOASTA TouchTest, Simulator(Xcode, Genymotion) / Real Device Lab, GitSwarm/GitHub and Jenkins
- Responsive Web UX automation integration with Selenium, TestNG, Galen Framework, Docker and PaaS (SauceLabs, BrowserStack)
- Forward Testing with Microsoft Dev Tools before (Browser/OS) GA
- REST API Framework, integrating with UX using UFT, QC OTA and VS COM DLL
- DLL distribution using QC OTA and advanced DOS
- Test Case Design Studio for CA Agile Center (Rally REST API and VBA)
- Tractability Matrix using QC OTA
- HealthCare X12 EDI Test Data creation using OopFactory X12
- Enterprise Test Data Management using IBM Data Stage
- Integrating UFT and LoadRunner scripts for eliminating vendor data dependency
- Setup CI&D for UFT scripts using Jenkin's HP Application Automation Tools plugin and enabling Interactive UFT execution on VM
- Executing UFT on MAC OS
- Cross Browser testing using GhostLab
- UX/API Performance Test framework – LoadRunner & Site Scope
- Salesforce REST API with OAuth2 Token using UFT
- Mainframe Macro to automate transaction
- JSON Validator to check validate response payload
- Application Object Model Design approach for UFT

PROJECT EXPERIENCES:-

Project 1:

Organization	Physicians Mutual Insurance Company,
Project	Salesforce – Sales and Service Desk
Period	March 2013 – Present
Project Description	Physicians Mutual Insurance Company provides Health, Life and Annuity products throughout the nation. Enterprise Technology Group supports business applications development and supports to better serve policy owners.
Role	Sr. Automation Test Engineer
Team Size	30 – (6 direct report)
Responsibilities	<ul style="list-style-type: none">• Test planning for business initiatives across multiple SAFE Agile teams• Working with Business Lead, Initiative Manager and Development Architect to assess the testing needs (functional/performance/usability)• Working with Delivery Owner and Agile Teams to groom and point User Stories• Guiding project tester with automation and test strategy• Defining Automated Regression Coverage• Identifying areas of improvements and implementing solutions• Tracking testing progress and helping e2e testing• Evaluating new tools, technology and processes• Writing Appraisals for Assigned project test automation engineers• Participating interviewing and selection process• Mentoring test practice with adopted framework and standards• Providing testing updates to the executive leadership team
Solution Environment	Web, Mainframe, Mobile, Responsive Web
Tools	HP-UFT 14.1, HP ALM-Quality Center 12.0, CA Agile Central, LoadRunner 12.50, SiteScope, Postman, SoapUI, IBM DB2, SQL Server, Visual Studio

Project 2:

Customer	Auto-Owners Insurance. Lansing MI
Organization	HTC Global Services, Lansing, MI
Project	QA Guideware Claim Center Implementation
Period	November 2012 – March 2013
Project Description	Auto-Owners Insurance is the fortune 500 leading Property and Casualty insurance company. The company has identified the market leading insurance product Guideware - Claim Center to support business system. This project is to implementation of Claim Center across the Line of Business using Agile development

	model
Role	Technical Consultant
Team Size	7
Responsibilities	<ul style="list-style-type: none"> • Development of automation framework. • Analysis of manual test cases to select as a candidate for automation testing. • Effort estimation for automation scripts. • Development of library functions and reusable resources. • Design Test Case and Business Component for user Story. • Test Execution and Issue Reporting. • Development of utilities for test management reports from Quality Center using QC OTA and Excel Macros.
Tools	HP-Quick Test Professional 11.0, HP ALM-Quality Center 11.0, JIRA, AcuRev , Excel Macro

Project 3:

Customer	SunAmerica Annuity and Life Assurance Company. Woodland Hills, CA
Organization	Tata Consultancy Services Ltd., Woodland Hills, CA
Project	SunAmerica QA Automation
Period	November 2008 – September 2009 & May 2010 – November 2012
Project Description	SunAmerica Annuity and Life Assurance Company, the Retirement Specialist is a leading financial services firm that focuses on the rapidly growing retirement savings market. SunAmerica QA Automation project provides automated regression testing of their various applications like Navisys, Docucorp, Sircon, SunView, Centive and Mainframe for their Retirement Services. This project deals with automating end to end business scenarios using Quick Test Professional, Win Runner and Quality Center.
Role	Automation Test Lead, Onshore
Team Size	6
Responsibilities	<ul style="list-style-type: none"> • Development of automation framework. • Analysis of manual test cases to select as a candidate for automation testing. • Effort estimation for automation scripts. • Distribution of assignments among team members. • Preparing the High Level Design Document for the scripts. • Development of library functions and reusable resources. • Development, review and testing of automation script. • Preparation of Run Instructions for the execution. • Managing defects - reporting and tracking defects. • Preparation of DSR (Daily Status Report). • Coordinating with Onshore counterpart and client. • QC Admin using Open Test Architecture, Workflow Script and Excel Macros.
Solution	Web, Mainframe and Java

Environment	
Tools	HP-Quick Test Professional 11.0, HP ALM-Quality Center 11.0, Mercury Win Runner 9.2, Team Track, PVCS Version Manager, QC-OTA and Excel Macros.

Project 4:

Customer	United Services Automobile Association (USAA), San Antonio, TX
Organization	Tata Consultancy Services Ltd., Chennai
Project	Enterprise Fraud Anti Money Laundry (EFAM)
Period	October 2009 – April 2010
Project Description	United Services Automobile Association (USAA) is a Fortune 500 financial services company offering banking, investing, and insurance to people and families that serve, or served, in the United States military. This project is to create an Enterprise Data Warehouse (Repository) for the Fraud Strategy Team to protect the Fraud and Anti Money Laundry activities for USAA. All transactional data identified by the Fraud strategy team is coming from the different Source systems (Database, Mainframe Host file or Flat file), going through Host and ETL jobs to apply transformations rules and moving to the Target EFAM Data Repository. This project deals with validating all the data are moving correctly from source to the target with all transformations using Excel Based Automation Framework, Quality Center and Quick Test Professional.
Role	Test Lead, Onshore
Team Size	3
Responsibilities	<ul style="list-style-type: none"> • Understanding business requirements • Analysis of source systems • TCoE effort estimation • Test Scenarios creation & traceability mapping • Test Bed and Data preparation • Planning and Execution traceability • Unit/Integration Testing • System Testing • Release Testing • Production Validation • Automated Regression Framework development • Automation Script (QTP, VB Script, Excel Macro) development • Regression Testing for previous releases • Managing defects - reporting and tracking defects • Maintaining TCoE Testing Workbook for SQA • Attending Daily Huddle and Preparing Daily Status Report • Work allocation and coordination with Offshore Team
Solution Environment	IBM Personal Communication, DataStage, UNIX

Tools	HP-Quick Test Professional 10.0, HP-Quality Center 10.0, Borland StarTeam, QC-OTA and Excel Macros.
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Project 5:

Customer	Citigroup. Dallas ,TX
Organization	Tata Consultancy Services Ltd., Kolkata
Project	CITI NAIT Automated Regression Testing
Period	December 2007 – October 2008.
Project Description	CITI Real Estate Lending project provides automated regression testing for their Real Estate Business and Mortgage Servicing to entire North America. We provide end to end testing solutions mainly two of their line of business- Origination and Servicing with Web, Delphi and Mainframe Applications. This project specially deals with automated regression testing with Data Driven Automation Testing Framework using Automation Tools like QTP, Win Runner and Quality Center.
Role	Module Lead, Offshore
Team Size	10
Responsibilities	<ul style="list-style-type: none"> • Preparation of readiness documents for selecting the manual test cases as a candidate for automation testing. • Preparation of automation framework. • Preparation of reusable actions, functions and other components for the particular application testing. • Perform System Integration testing and Regression testing for the new releases and made changes to test scripts with respect to the business functionality changes. • Worked on Traceability Matrix, in order to make sure that Use case Documents, Functional Requirement Documents and Application Functionalities are in synch with each other. • Creation, debugging and reviewing the Automation scripts and upload them to Quality Center. • Execution and analyze the test results and log the defects if necessary. • Perform defect tracking and management activity. • Status reporting. • Generation of graphs and reports from Quality Center. • Generation of customized HTML test reports and daily execution reports using QC OTA.
Solution Environment	Web, Mainframe, Delphi
Tools	Mercury-Quick Test Professional 9.2, Mercury-Quality Center 9.0, Mercury – Win Runner 8.2

Project 6:

Customer	NESTLE – GLOBE. Vevey , Switzerland
Organization	IBM India Pvt. Limited, Kolkata
Project	Nestle Automated Regression Testing

Period	January 2007 – November 2007
Project Description	<p>GLOBE stand for Global Business Excellence and it is the largest Program Nestle has ever undertaken. It is also the most important tool that can be bring this Company from the CHF 100 billion dimension in to the CHF 150-200 billion dimension. The ambition of GLOBE is:</p> <ul style="list-style-type: none"> • To create and adapt common business processes to leverage the size of Nestle. • To unite and align Nestle on the inside to be more globally competitive on the outside and • To unlock the potential business benefits by harnessing the power of the “e” world with a focus on customers /channels and consumers. <p>The project is specially deals with automated regression testing with QTP and Quality Center for SAP Application using Hybrid Automation Testing Framework to Nestle GLOB GCs and BTC.</p>
Role	Team Member
Team Size	9
Responsibilities	<ul style="list-style-type: none"> • Execution of in manual test cases of the various SAP modules like MM (P2P), AMM (PM, PS), GD, T&P, HR and SD (O2C) as a pre requisite for automation testing. • Designing automation test cases and readiness document. • Creating, enhancing and debugging the automated regression Scripts using QTP. • Scheduling and execution of the automated regression test scripts on daily basis in the night time to validate individual transports and analyzing their impact on existing Business processes with the help of test management tool QC. • Performing load testing for generating EDI Orders. • Analyze the execution report and log an incident through defect tracking tool Peregrine
Solution Environment	SAP R3
Tools	HP-Mercury Quick Test Professional 9.2 and Quality Center 8.2

Project 7:

Customer	NIC, NIA and UIIC. Kolkata
Organization	CMC Limited, Kolkata
Project	General Insurance Systems (GENISYS)
Period	August 2006 – January 2007
Project Description	<p>GENISYS is tailored to the business requirements of the general insurance industry. It provides customized business rules, tariffs and procedures. It has an extremely easy-to-use and intuitive graphic user interface (GUI). GENISYS comprises the following key components, which are seamlessly integrated: Underwriting, Claims, Accounts, Policy administration / renewals, MIS / reports System Administration and Security. It is successfully running all</p>

	over India in more than thousands offices for National Insurance Company, New India Assurances Company and United India Insurance Company.
Role	Team Member
Team Size	25
Responsibilities	<ul style="list-style-type: none"> • Execution of unit testing, version testing, • Regression Testing using Rational Robot and Rational Test Manager. • Defect logging and tracking using PROMPT.
Solution Environment	Oracle Forms and Reports
Tools	Oracle 9i, SQL, PROMPT as Project Management tool, Rational Robot as Automation Testing tool.

Project 8:

Customer	Lexmark International (India R&D) Private Limited, Kolkata.
Organization	RS Software India Limited, Kolkata
Project	Lexmark Printer Application Testing.
Period	February 2005 – August 2006.
Project Description	Lexmark printer application testing project provides end to end testing of various application like - Lexmark Fax Solutions Software, Lexmark Fax Setup Utility, Lexmark Photo Editor and Lexmark 4Runner Application. This Software shipped with Lexmark, Dell and Lenovo printers. These applications are capable of handling all functionalities depending upon the features supported by the printers. The application is being developed using Agile Software Development Model with .NET platform.
Role	Team Member
Team Size	12
Responsibilities	<ul style="list-style-type: none"> • Creating and restoring OS Images • Installing/Uninstalling the application • Test Planning • Sanity Testing • System Testing • Regression Testing • Script development and Execution • Defect logging and Tracking
Solution Environment	Windows, Microsoft Visual C++, .Net
Tools	Mercury Quick Test Professional 8.2, Mercury Win Runner 7.5, Rational Clear Quest, Norton Ghost, PQDI.