 **SAIBAL BANERJEE**

Phone# 972-358-5517

Email: saibal06@gmail.com

**Professional Summary:**

* Ten + years of combined experience in, Financial, Software, Retail and Healthcare industries with extensive experience in **Managing /Leading QA Testing (Web & Client/Server/ Data warehouse-BI/Reporting)**
* Experienced in developing Test Strategies/Agile Testing Strategies.
* Experienced in Performing /Leading the automation effort of ETL/Data Warehouse testing.
* Experienced in working as a Lead Analyst in Data Warehouse /BI Reporting projects.
* Experienced in BI Tools like **Tableau, Google Analytics, SharePoint, Excel, SSRS, Cognos** and **Hadoop-Hive**
* Well versed in analyzing **System Design**.
* Experienced in working as PTM (**Project Test Manager**)
* Well versed in **gathering/developing Business/Functional Requirements** from Business owners.
* Well versed in **Reporting/Visualization** using BI tools.
* Experienced in **Data Mapping/Validation** testing for ETL process.
* Prepared/Reviewed Test Plans and Test Cases from Functional and Business requirements.
* Experienced in managing and directing large testing team.
* Experienced in driving innovation and improvement in testing and quality evaluation.
* Experienced in Process flow documentation, Business Requirements Mapping, Defining and Maintaining / Documenting Deliverables.
* Experienced in Black- Box testing, White- Box Testing, Gray-Box Testing, Functionality Testing, GUI Testing, Unit Testing, Integration Testing, Installation Testing, Backend Testing on Windows, Unix/Linux environments.
* Experienced in managing /leading testing of E-Commerce application.
* Extensively worked on Data migration, Data cleansing and Data Staging of operational sources using ETL processes and providing data mining features for data warehouses.
* Extensively involved in system analysis development and implementation of Data warehouse systems using SDLC.
* Having familiarity with ETL Testing Tool **Query Surge**, **TOAD Data Point**.
* Experienced in Regression Testing using Quick Test Professional-UFT/Selenium, Familiar with Regression Tool **TOSCA**.
* Experienced in Load /Stress/Performance Testing using Load Runner.
* Managed the testing process using Test Director / Quality Center/ALM, Product Studio.
* Experienced in defect analysis to enhance test design.
* Versatile team player with Excellent Communication/Teaching /Interpersonal/Documentation skills with ability to communicate clearly and honestly with peers, managers and customers.

# Bank of America, Addison, TX, Plano, TX

**May’2010 – Current**

**Officer- Test Lead – ETL/DW/Reporting/MRF/PEGA7/BKFS Web Service**

**Default Inventory Management (DIM)**

**MOD Data Warehouse**

**EDR**

**SFDMS**

These projects are initiated to gain an understanding of data movement across default landscape within loan servicing portfolio. We had to ensure that all relevant data falling under the purview of Default Inventory Segments are being extracted -Transformed from DB2/SQL Server and Loaded (ETL) into SQL Server database to enable business users to use them for reporting and analytic purpose using Cognos / Microsoft BI tool.

**Enterprise Monitoring, Response & Forensics (MRF)**

The objective of this project is to ensure the compliance of Application Log Monitoring –applications containing NPI/NPPI data being logged as per MRF standards and to remediate the SIAI related to the NPI/NPPI data.

**CASE Management - PEGA7 Upgrade**

The objective of this project to ensure that the system handles consumer claims and resolution process as before while upgraded to PEGA7

**BKFS Web service**

The objective of this project is to verify data retrieval in an automated and consistent manner across the user base using BKFS web services. The initial scope of the project is to verify 224 Read Only web services.

**Responsibilities:**

* Lead all QA testing resources (offshore/onshore) on the project.
* Experienced in Test Project Management.
* Assessed and sized project QA scope
* Created Project QA Plan
* Identified risks to QA processes and plans
* Followed SDLC QA framework.
* Assisted UAT resources in developing detailed Test Scripts in QC/ALM from BRD/HLD/LLD
* Experienced in building and maintaining effective Test Data for Functional/Regression testing.
* Actively participated in Post Production Validation during releases.
* Worked closely with LOB on Business Certification after deployment.
* Assessed capabilities and constraints to meeting project delivery.
* Conducted requirements gathering sessions and effectively negotiated and prioritized requirements with project stake holders.
* Reviewed requirements for completeness, testability, and adherence to standards.
* Participated in impact analysis sessions to determine reporting and data warehouse/reporting changes when source system changes are made.
* Established solid controls around Data Quality and Governance at all levels of the reporting hierarchy.
* Analyzed Database and Data Warehouse Design.
* Analyzed Dimensional Model and Schema (Star vs Snow Flake) and provided input to Development partners.
* Participated in SSIS package design meetings.
* Developed SSIS package testing strategy.

* + Data Load with appropriate selection criteria
  + Data Load not having duplicates
  + Data Element Testing for target field names
  + Data Element Testing for target field type
  + Data Load for modified data
  + Data Load for different loan type
    - Bankruptcy Loans
    - Foreclosure Loans
    - REO Loans
    - Short Sale Loans
    - DIL Loans
    - Workout Loans

* + Data access by security
  + Data access Performance
  + Data access by Cognos /Microsoft BI tool

* Lead the automation effort of End to End ETL testing with SQL scripts.
* Ran various RPG programs from command line/menu to facilitate testing.
* Developed automation test strategy with UFT/IntelliDB/SOAP UI.
* Developed/Lead automation test effort of BKFS Web Services using SOAP UI /IntelliDB.
* Performed data analysis using ad-hoc SQL queries against SQL Server /DB2 databases.
* Verified NPI/NPPI data being logged in DB2 Log files as accessed by various applications.
* Verified that NPI/NPPI data from DB2 Log file is being logged as expected in SPLUNK to be used by Forensic team for analysis.
* Collaborated with technical experts and business units to derive the best possible reporting mechanism.
* Verified SSRS reports/iSeries reports to ensure that they meet business requirements of various Line of Business units.
* Assisted LOB users to maintain /modify SSRS reports as and when needed.
* Lead the Data Warehouse testing effort by ensuring that data being pulled correctly from Data Warehouse to the reports.
* Analyzed the underlying SQL code wherever needed.
* Established the project issue management process and managed it in cooperation with project management
* Planned, Developed and monitored execution of test cases.
* Actively resolved testing issues
* Reported QA project status to project stakeholders as needed.
* Prepared documentation as needed for future audits.

**Environment:**

* Windows XP/7/10, SQLServer 2008/2014- SSIS, SSRS, SSAS, Cognos, AS400, MSOffice, SharePoint, Oracle, Pega7, Salesforce.com, BKFS Web Service, UFT, TOSCA, SOAP UI, IntelliDB

# Sally Beauty Holdings, Denton, TX

**Dec’2009 – April’2010**

**ETL Test Lead**

**SBH - POS Redesign**

This project is initiated to support next generation POS for all SALLY & BSG stores, load process is being rewritten using SSIS. This role will develop cross technology testing solutions to complement the test delivery function for Data warehousing projects (primarily) and other projects from areas such as Payments, Retail channels.

**Responsibilities:**

* Directly managed the test function related to software test .
* Championed teamwork and collaboration and communicated effectively with all and at all levels of organization
* Worked on several tasks at the same time, often under time pressure, and completed assignments effectively amidst frequent distractions and interruptions.
* Developed SSIS package testing strategy.
* Designed/Developed test cases to test SSIS packages for loading data from flat files/DB2/SQL Server to staging tables.
* Verified data mapping between source files and target tables in SQL Server2008 via SSIS.
* Actively participated in SSIS package configurations design to facilitate seamless movement of SSIS packages between servers (Dev to Test).
* Actively participated in developing Quality Assurance Schedules/Guidelines and Assignments.
* Performed task level analysis for each SSIS package and suggested methods for improvement.
* Developed /mentored team members on Test Plan/Test Case creation for SSIS Package testing and also to verify data at the front end POS system.
* Extracted Data using SSIS from DB2, XML, Oracle and flat files, Excel perform transformations and populate the data warehouse
* Provided technical assistance in identifying, evaluating, and resolving complex testing problems.
* Validating the load process of ETL to make sure the target tables are populated according the data mapping provided that satisfies the transformation rules.
* Validating the Archive process to purge the data that meet the defined business rules.  Directed Automation of basic GUI regression scripts with QTP.
* Managed entire defect management process in HP Quality Center  Worked closely with development team to resolve issues.
* Managed resource hours and compared forecast against actual hours being logged in time entry system to help management track project progress.
* Involved in hiring resources for the project (offshore/onshore).
* Developed status report for upper management during test execution.
* Lead the development of SQL/TSQL scripts for data validation.
* Provided input and feedback to Development, Project Management/Business Owners throughout Development process.

**Environment:**

* Windows XP/7, C#,Java,ASP.NET, SQL Server2008,SSIS,SSRS,AS400, DB2,MSOffice, SharePoint,

# Bank of America –CW Integration, Plano, TX

**May’2009 – Nov2009**

**Mortgage Servicing Technology**

**Software Test Lead**

Bank of America’s acquisition of Country Financial initiated the need for the transition projects to merge BA portfolio to the existing CW accounts. Bank of America would service loans originated by CW nationwide. The main objective of the project is pulling the customer information from the CONF and GMF sources and putting in to the pay one database which is the warehouse. If any new customer comes adding to the warehouse or existing customer information will be updated from the daily extraction.

**Responsibilities:**

* Reviewed HLD/LLD for testability and requirements coverage.
* Involved in the Data Warehouse Data modeling based on the client requirement.
* Actively participated in developing Quality Assurance Schedules/Guidelines and Assignments.
* Developed /mentored team members on Test Plan creation from HLD/LLD.
* Identified Test Case attributes from HLD/LLD which can be turned into detailed test cases.
* Managed test execution process in Quality Center starting from creation of Test Sets /Scheduling/Running /Logging Defect.
* Provided technical assistance in identifying, evaluating, and resolving complex testing problems.
* Participated in development of GUI regression scripts in QTP.
* Managed entire defect management process in Quality Center involving cross functional team.
* Worked closely with off shore testing team
* Mentored team members in Agile Methodology and successfully introduced daily stand up meeting to bring the entire team on the same page to increase productivity and confidence.
* Managed resource hours and compared forecast against actual hours being logged in time entry system to help management track project progress.
* Developed SQL/TSQL scripts for data validation.
* Provided input and feedback to Development, Project Management/Business Owners throughout Development process.

**Environment:**

C#, ASP.NET, SQL Server2005, AS400, Quality Center, MSOffice, SharePoint, Load Runner, QTP

**Benefit point Integration & Conversion & BI, Dallas, TX**

**Dec’2008 – April2009**

**Benefitmall.com**

**ETL Test Lead /Test Manager**

Benefit Point is web based employee benefits management and procurement solution with relevant business intelligence. Benefit mall is integrating with Benefit Point in multiple phases on a per market basis.

**Responsibilities:**

* Worked closely with Business Owners to understand the relevant data /functional need.
* Established and enforced standard test processes and deliverables (including defect management and quality metric reporting) within the gated process to streamline testing and ensure automation and manual testing efforts align.
* Worked as a (SME) in all testing process and methodology, lead others in incorporating manual and automation testing industry best practices, techniques and methodology into existing software testing process.
* Assisted with the creation of test estimates.
* Assisted in developing and reviewing test cases for Functional /Conversion testing.
* Participated in planning and directing quality assurance schedules and assignments.
* Provided technical assistance in identifying, evaluating, and resolving complex test problems.
* Guided Functional Test automation effort using QTP
* Developed SQL & T-SQL scripts to test Data Migration and Conversion.
* Developed and implemented testing strategies for Star Schema based Data Mart.
* Tested Complex ETL Mappings and Sessions based on business user requirements and business rules to load data from source flat files and RDBMS tables to target tables.
* Validated the data in the reports by writing simple to complex SQL queries.
* Prepared test data by modifying the sample data in the source systems, to cover all the requirements and scenarios.
* Reviewed the ETL mappings to ensure the transformation rules are applied correctly
* Created and executed SQL queries to perform source to target testing on DB2 database. Performed the Following tests:

o Data Completeness

o Validity

o Uniqueness

o Data Integrity

o Data Transformation

o Data Quality

o Initial & Incremental Load Tests

* Mentored team members on Data Migration and Conversion testing.
* Coordinated with different users in UAT process.
* Analyzed SQL Server related performance problems using SQL Server Profiler.
* Supervised logging, tracking, and verification of software defects using Quality Center.
* Monitored the testing plans for projects to ensure compliance with quality standards and enduser requirements.
* Provided input and feedback to Development, Project Mgmt./Business Owners throughout Development process.

**Environment:**

* C#, ASP.NET, SQL Server2005, SQL Server2005 SSIS, SQL Server2005 SSRS, Quality Center, MSOffice, SharePoint, Load Runner, Selenium

# UltiproNet, FL/Addison, TX

**July’2006 – Nov’2008**

**Ultimate Software, Weston, FL**

**Software Test Lead**

UltiPro is the strategic end-to-end HRMS/payroll and talent management software solution that makes everyone in an organization more effective.

Ultimate Software delivers more out-of-the-box functionality included in payroll/human resources software and payroll service package than any other HR/payroll provider.

Responsibilities:

* Worked closely with Product Owner in User Story verification (INVEST principles), management and task breakdown.
* Estimated Story Points from testing perspective.
* Worked with Product Owner in User Story prioritization.
* Assisted in developing and reviewing test cases.
* Established and maintained a consistent Agile Test Methodology and resolved questions during the testing process.
* Served as a coordinator for all testing activities on the project.
* Participated in planning and directing quality assurance schedules and assignments.
* Provided technical assistance in identifying, evaluating, and resolving complex test problems.  Guided Functional Test automation effort using QTP  Wrote SQL & T-SQL scripts to test database integrity.
* Designed test plan for Load/Performance/Stress testing.
* Participated in Load Testing using LoadRunner.
* Analyzed Load Testing results and suggested methods of improvement based on that.  Supervised logging, tracking, and verification of software defects using BugZilla.
* Provided input and feedback to Development, Prod Mgmt and Release throughout Development process.

**Environment:**

* C#, ASP.Net, JavaScript, SQL Server2005, Version One, QTP/Selenium, Load Runner, Bugzilla, Agile Process.

# Extensible Compensation Analytics Tool (xCAT)

**Microsoft Corporation, Redmond, WA**

**May’2003 – June’2006**

**Software Test Lead –ETL /Reporting**

**XCAT & WWIC Reporting**

A Microsoft .NET Application to set & manage Sales Quotas and perform RBI calculations based on these Quotas. WWIC delivers smart reporting for IC data using Office Web Components.

**Responsibilities:**

* Identified/Analyzed Requirements and documented using Product Studio.
* Created estimates and work schedules for assigned projects.
* Performed Impact Analysis, Business Risk Analysis.
* Participated in understanding of data specifications and data models.
* Created and documented ETL designs for process flows and source systems.
* Evaluated and documented ETL designs, process flows and mapping specifications
* Wrote and published high-level Test Plans and Test Reports.
* Wrote Test Design Specifications (TDS) for xCAT & WWIC reporting.
* Based on Use Cases translated the information to Test Cases.
* Developed Traceability Matrix between test cases & requirements.
* Prepared and documented ETL processes and design specifications for audit purpose.
* Participated in unit testing of ETL code as per requirements.
* Executed Test Cases for xCAT & WWIC reporting using Product Studio.
* Managed Bugs from log to closure in Product Studio.
* Developed Test Execution Metrics during testing life cycle.
* Developed Performance Matrix for xCAT & WWIC Reporting.
* Analyzed SQL Server related performance problems using SQL Server Profiler.
* Wrote SQL & T-SQL scripts to test database integrity.
* Designed test plan for Load/Performance/Stress testing.
* Participated in development of Load Testing scripts.
* Participated in Load Testing using LoadRunner
* Prepared Weekly Status Report for Project Management.
* Coordinated with offshore Test Team during Testing Life Cycle.
* Worked closely with Developers to isolate, track, and troubleshoot defects. **Environment:**
* UML, .NET Framework, VB.NET, SQL Server’2000, WindowsXP, Product Studio, IIS, Office 2003

**Skills:**

* Operating System: Windows7, Windows XP/NT, NetWare 5.1, UNIX, Linux.
* Languages: VB.Script, Java ,SQL, T-SQL, UML, R
* Scripting Language: HTML, XML, JavaScript, Python
* Database: Oracle, SQLServer’2000/2005/2008/2012 (including SSIS/SSAS/SSRS),DB2
* Testing Tools: Quality Center/HP-ALM, Load Runner, Quick Test Professional/UFT/ Selenium, TOSCA
* CM Tool: PVCS Version Manager, Visual Source Safe, WinCVS, Version One, Git, GitHub
* Bug Reporting Tool: PVCS Tracker, Team Track, Rational Clear Quest, Bugzilla, Product Studio, Rally
* Utilities: TOAD, XML Spy, WinSCP, PUTTY, SOAP UI
* BI Tools: Tableau, Google Analytics, SharePoint, Excel, SSRS, SSIS

**Education:**

* Certificate from **Johns Hopkins University** – **Data Scientist’s Tool Box**
* Certificate on **SSRS 2012 Report Design & Development** from **Collin College**, Plano, TX
* Completed **Business Intelligence** Certificate Course from **Collin College**, Plano, TX
* Completed Certificate Course on **Google Analytics** from **Collin College**, Plano, TX
* Completed Certificate Course on **Project Management –An introduction** – North Lake College, Irving, TX
* Microsoft Certified Professional **(MCP**)
* A.M.I.E (I) –A: The Institution of Engineers (India)
* B.Sc.-The University of Calcutta (India)