**KIRAN N **

**Email ID: keyrun10525@gmail.com**

**Phone: 704 237 0159**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SUMMARY:**

Over 15 + years of diverse experience in different roles in the Information Technology industry includes Banking, Finance Services and Telecom OSS/BSS.

Worked as a QA Lead/Test Lead, specialized experience in database testing, showcasing exceptional proficiency in SQL. Business Analyst and Production Support for major projects and effectively coordinated with various cross-commit teams for data creation and validation. Also possesses a good experience in analyzing and testing the critical business applications and better knowledge about the company’s quality process.

**Worked with major Clients like Verizon, Freddie Mac, NYC DOB, Wells Fargo Bank, Discover Financial services, State Street Corporation, Core domain skill includes Banking and Finance Services and Telecom OSS/BSS.**

* Expertise in Manual and Automation Testing of Client/Server, Mobile, Web - based, API and Cloud (AWS) applications.
* Excellent knowledge and implementation skills in complete Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC)
* Expertise in understanding Business Requirement Specifications, Functional Specifications and Design documentations and converting them into Test Scenarios.
* Experience in Waterfall and Agile Projects, worked very closely with Product owners in Agile and attended different ceremonies like Sprint Planning meeting, Scrum, Backlog grooming, Sprint Review and Retrospective
* Proven ability in designing and creating automation frameworks using Java, Selenium WebDriver, Junit, TestNG, Appium, Maven, ANT, Hudson, JMeter tools.
* Experience of Creating, Modifying and Maintaining new and existing Automation Framework Models (BDD/TDD/ATDD, Hybrid, Keyword and Data Driven Frameworks).
* Expertise in Agile and Waterfall methodologies
* Excellent skills in manual and Automation testing on Telecom (OSS/BSS), Banking and Financial, Web Application Domains
* Experienced in tools such as Selenium Web driver, Jenkins, Ant, Maven, SVN, Git, TestNG, JUnit, JMeter, HP ALM/, Quick Test Pro (QTP).
* Designed and developed Cypress, Mocha data driven framework for new single page application.
* Experience in Test planning, Test Design, Test Execution, Test Automation using selenium, CICD, Framework design and Defect Reporting and Tracking.
* Engage in Database Testing, BI/OW IETL (Business Intelligence/Operational Data Warehousing Extract, Transform, Load), WebApp, and Report Testing.
* Experience with full QA Life cycle from Requirement Analysis to User Acceptance Testing and production release support
* Expertise in test management tools like BMC Remedy, Bugzilla, Rational Test Manager, JIRA, Zephyr, Test Director and HP ALM.
* Good experience in implementing JAVA OOPS (Object Oriented Programming System) concepts i.e., Abstraction, Polymorphism, Encapsulation and Inheritance. Good knowledge in Exception Handling, Collection Framework, File Operations, Multi-Threading, Methods of string classes, Conditional and Looping statements.
* Tested and Automated API’s/Restful Services developed IBM Mule soft using Java and Rest Assured java libraries.
* Worked in DevOps, installing, configuring and integrating Automation scripts on Continuous Integration tools (CI/CD) like Jenkins for nightly test suite execution and working on knowledge on testing and configuring Amazon Web Services (AWS)
* Experience in installation and Administration of various version control systems like GIT (Distributed Version Control), GitHub, SVN Version Control
* Experience in automating Mobile applications (Android) using Appium.
* Working with Unit Test Frameworks like TestNG, JUnit.
* Experience in implementing the Page Object Model (POM) by creating element for each page object and reused all the objects in various scripts.
* Experience in testing Web Services-SOA architecture, XML transactions, SOAP, HTTP, WSDL, and REST using various tools like SOAP UI/Ready API and selenium.
* Good Knowledge in RDBMS concepts and writing SQL Queries
* Experience in database testing using interfaces like SQL Server, TOAD and Felix
* Experience in working with Windows, Unix, and Linux operating systems
* Experience in planning, requirement gathering/analysis, designing, developing, and deploying testing strategies for large-scale Web applications.
* Automated Webservices by writing groovy scripts and used assertions for data validation and performed data driven for validating different end points.
* Expertise in using different types of locators such as XPath, CSS selectors, and ID to identify web elements in HTML, HTTP, JavaScript, XML, AJAX and jQuery
* Worked with eclipse, jxl, Apache POI, Log 4J, ANT, HTTP client and Maven.
* Experienced using tools like Fire Path, Firebug, and UI Automator Viewer for finding elements locator and good knowledge in writing the absolute and relative XPATHS manually on need basis
* Good experience in Jenkins, which is used to automate the software development process CI/CD.

***EDUCATION***

* Master of Computer Applications – Andhra University, India

***CERTIFICATIONS***

* CSTM Certified from STQC
* Certified SAFe 5 Agilist

***PROFESSIONAL EXPERIENCE***

* Working as QA Lead in Verizon Business, NC from Sep 2021 till date
* Worked as Sr QA consultant in DOB, NYC from Nov 2020 till Aug 2021
* Worked as QA Consultant in Freddie Mac, VA from Aug 2018 – Oct 2020
* Worked as Consultant in Wells Fargo, NC from Mar 2017 - Jul 2018
* Worked as QA Consultant in Discover Financial Services, IL from Jun 2016 - Feb 2017
* Worked as QA Consultant in State Street Corporation from Jun 2015 to May 2016
* Worked as Test Consultant Specialist in CSGI from Feb 2008 to Mar 2015

#

# TECHNICAL SKILLS

|  |  |
| --- | --- |
| **Operating System** | Windows NT/2000/2003/XP/VISTA/ 7, UNIX, DOS |
| **Programming Languages** | JAVA, Opps Concept, C, C++, VB, VB Script, |
| **Scripting Languages** | Unix Scripting, VBScript, HTML/XML |
| **Databases** | ORACLE 7.x/8i/9i, SQL Server 2008/2012, MySQL, IBM DB2,Sybase |
| **Automation Tools** | Selenium, QTP, UFT, Cucumber, SOAP UI |
| **QA Testing Tools** | HP-ALM, JIRA, VersionOne, DOORS, Bugzilla, Quality Center, RTM, Selenium Web driver, Zephyr, TestNG, JMeter |
| **Testing Skills/Techniques** | Test Automation (Selenium, Cucumber, Test NG), Web Services & API Testing (SOAP, REST), Database Testing, Test Management, Functional & Regression Testing, Agile Testing |
| **Other Tools/Utilities** | Jenkins, Maven, GIT, SharePoint, Tortoise SVN, VSS, log4j, Microsoft Visual Source Safe, PVCS Tracker, CVS, Domino, SVN, WSDL, Apache Tomcat, IIS |

# PROJECT PROFILE:

|  |  |
| --- | --- |
| **Project Title** | **Lead Automation Tester, Verizon**  |
| **Duration** | **Sep 2021 to till date** |
| **Location** | **Charlotte, NC** |

# ROLES AND RESPONSIBILITIES:

* Working as a QA Lead, participated in the agile release planning, backlog grooming sessions, iteration planning and retrospective sessions as per company agile guidelines.
* Understanding SRS and Keep track of the new requirements / change in requirements Participated in Release Review/Requirement Analysis and Design review meetings.
* Performed Validation Testing to confirm that application adhere to requirement standards. Participated in smoke testing, regression testing and user interface testing. To Lead the project from testing side, assigning testing tasks to the team and provide the status to project team on day-to-day basis.
* Analysis of Functional specifications and preparing the test cases and executing the same in each and every build. Worked on Selenium Webdriver and created Scripts in Java.
* Responsible for implementation of Hybrid Test Automation Framework, Page Object Model using Selenium WebDriver, NUnit, MS Build and C#. Proficient in handling SOAP and REST calls using C#.
* Understood the requirements with business and designed and implemented test scripts and managed Selenium test scripts.
* Performed Validation Testing to confirm that application adhere to requirement standards. Prepared test cases and scripts. Escalating promptly any issues that may impact operations.
* Managed and coordinated the deliverables of multiple applications. Defect management, conducted defect review meeting, prepared the project status report and reported to the project stake holders, project team members on daily basis.
* Involved in entire ETL process, including data extraction, transformation, and loading, to ensure data is processed accurately.
* Thorough experience in implementing Automation Tools Selenium WebDriver, JUnit, TestNG, Eclipse, Git/GitHub, Jenkins, SOAP UI and REST with POSTMAN.
* Used the Rest Assured java library to automate Restful Web services.
* Involved closely with developers in Development of UI modules using HTML, JSP, JavaScript and CSS.
* Worked with AWS cloud machines to setup selenium GRID and also Jenkins server on HUB machine.
* Design, develop and implement Page Object Model Pattern based Keyword Driven automation testing framework utilizing Java, Test-NG and Selenium Web-Driver.
* Proficient in optimizing SQL queries to enhance database performance, ensuring efficient data retrieval and manipulation.
* Applied strong SQL skills in data modeling, contributing to the development and maintenance of database structures that align with business requirements.
* Participating in the Project Status meetings and Interacting with the customer Responsible for the GUI as well as the User Interface Testing. Discuss on daily testing status, major defects, risks and project constraints.

|  |  |
| --- | --- |
| **Project Title** | **Sr Automation Tester, DOBNOW** |
| **Duration** | **Sep 2020 – Aug 2021** |
| **Location** | **New York City**  |

# ROLES AND RESPONSIBILITIES:

* As a Senior Quality Consultant, involved in Project planning, Preparing Test estimates, Creating Test Strategy, reviewing test design Adhering to the PLC and STLC standards.
* Managing Delivery of the project from testing perspective, interact with different stakeholders on a daily basis, providing technical assistance to the delivery team throughout the project.
* Co-coordinating with development and Project Management teams regarding QA activities and also exhibits strong experience in Project Management, Resource Management and test lead activities.
* Created automation test scripts using data driven framework and Page Factory model to test the web applications using Selenium WebDriver with JAVA and maven.
* Expertise in using Selenium Grid to run test scripts on different platforms and against different browsers in parallel to save time.
* Worked on Behaviour-Driven Development (BDD) implementation with Cucumber gherkin and Jenkins Continuous Integration, expanded test scenarios, tracked Cucumber reports. Used Test Driven framework with TestNG, Selenium, JDBC, AWS-Java-SDK-S3, Rest Assured library.
* Involved in manual testing and automate SOAP and RESTful Web Services using SoapUI, Apache Http Client, and REST Assured. Validated SOAP UI and RESTful API services. Involved in development and execution of TestNG suites for the bank application modules using TestNG framework.
* Actively involved in entire SDLC and STLC of an application. Saved remarkable time and cost of testing by automation using Selenium WebDriver, JAVA, Cucumber. Implemented Implicit and Explicit waits to overcome synchronization issues. Manage Jenkins to run CI/CD.
* Performed GUI, functional, and system testing, both manually and automated using HP QC and QTP/UFT. Created of Test Plan for the projects and tracking defects and requirement using qTest. Implemented simulator for mobile app testing in IOS, Android using Appium Tool.
* Automated Smoke and Functional test cases using Selenium WebDriver, TestNG and Java (Eclipse IDE). Involved in updating Framework functions when needed, executed them and generated reports. Participate in planning and execution of QA/UAT testing. Implemented UI Automator viewer in Appium to inspect elements in mobile applications. Created well written Manual Test Cases & Test Scripts using HP QTP/UFT wif best practices Performed Smoke, End to End and Regression tests in Test environment and Production support environment.
* Assessed and ensured the quality of data being loaded into the data warehouse or BI system.
* Developed Automated Test scripts using SELENIUM Framework and executed test scripts on local machines and on multiple test environments for testing the functional and regression flows.
* Excellent interpersonal skills and a collaborative mindset, effectively liaising with cross-functional teams including Developers, Product Managers, Project Managers, and Technical Customer Support.
* Experience in data testing within the context of ETL (Extract, Transform, Load) processes, ensuring data integrity and consistency throughout the data pipeline.
* Proficient in data manipulation using SQL, including updates, inserts, and deletes, ensuring accurate and efficient data modifications.
* Worked with complex SQL queries, including joins, subqueries, and optimization techniques, showcasing a deep understanding of relational databases.
* Extensive experience in testing data warehousing solutions, verifying the integration and accuracy of data from various sources.
* Utilized professional experience and advanced knowledge of the different systems. This knowledge is an asset to the client since I am acquainted with these systems during the initial knowledge transitions phase.

|  |  |
| --- | --- |
| **Project Title and Client** | **MRT – Model Risk Tool, Freddie Mac** |
| **Duration** | **Nov 2019 – Aug 2020** |
| **Location** | **McLean, VA, US** |

**ROLES AND RESPONSIBILITIES:**

* Worked as Senior Test Analyst, participated in agile release planning, backlog grooming sessions, iteration planning and retrospective sessions as per company agile guidelines.
* Performed Validation Testing to confirm that application adhere to requirement standards.
* Participated in smoke testing, regression testing and user interface testing.
* Analyze the requirements shared from client team, consolidates them by functional grouping.
* To Lead the project from testing side, assigning testing tasks to the team and provide the status to project team on day-to-day basis.
* Coordination between team during all levels of testing from Smoke, System, End to End & Regression and UAT.
* Analysis of Functional specifications and preparing the test cases and executing the same in each build.
* Escalating promptly any issues that may impact operations. Have used HP ALM for documenting the test cases, test suites and for test execution.
* Implemented automation and performance framework from scratch using Cucumber, BDD, Selenium WebDriver, Grid, TestNG, JAVA, Jenkins, JMeter.
* Performed web services testing both SOAP and REST with SOAP UI by validating request and response for XML, JSON. Created automation scripts in SOAP UI using Groovy Script for web services testing. Involved in writing Gherkin, steps and backend selenium/java code for firms and variance projects. Experience with LAMP Stack in Backend testing, data validation, ETL Automation, Database testing using SQL queries.
* Involved in running Selenium automation scripts and updating the scripts according to enhanced requirements using Selenium WebDriver and Python. Used Ant and Maven as Project building tool along with Jenkins. Expertise in HTML, CSS, HTTP, JavaScript, XML, AJAX and JQuery.
* Co-ordinate with Business team to get the resolution for queries raised by QA teams.
* Responsible to assign the work to the QA team members.
* Proficient in conducting root cause analysis for data discrepancies, identifying the underlying issues and recommending corrective actions.
* Responsible for providing the QA estimations to perform requirement discussions, test case writing and Test case execution review the test cases that are created by the team.
* Responsible for providing the project plan and sharing the project updates on weekly basis,
* Reviewing the system test plan & Test strategy,
* share the test execution status report on different projects to the client on daily basis, supporting the business in Business Acceptance Testing (UAT).
* Developed and Executed Test Scripts using Selenium WebDriver, TestNG.
* Ran the test cases through Automation Script using Eclipse.
* Maintained the Selenium & Java Automation Code and resources in source controls like GitHub, Jenkins for improvements and new features.
* Successfully execute testing processes for database migration projects, ensuring a smooth transition with minimal impact on data integrity.
* Expertise in writing complex SQL queries for data extraction, transformation, and validation, demonstrating a deep understanding of relational databases.
* Worked in data testing using Google Big Query, including querying large datasets and optimizing queries for performance
* Performed TDD (Test Driven Development) for the faster delivery of applications.
* Wrote SQL queries to validate data in backend.
* Worked in testing data warehouses, including ETL processes, to guarantee the accuracy and reliability of data for reporting and analytics.
* Collaborated seamlessly with cross-functional teams, including Developers, Product Managers, Project Managers, and Technical Customer Support.
* Involved in executing flows and frontend/backend testing using UNIX and SQL queries

|  |  |
| --- | --- |
| **Project Title** | **QA Tester, SPARTAN** |
| **Duration** | **Aug 2018 – Oct 2019** |
| **Location** | **McLean, VA, US** |

#  ROLES AND RESPONSIBILITIES:

* As a Quality Assurance Lead, involved in Project planning, Preparing Test estimates, Creating Test Strategy, reviewing test design
* Adhering to the PLC and STLC standards, Managing Delivery of the project from testing perspective, interact with different stakeholders on a daily basis, providing technical assistance to the delivery team throughout the project.
* Co-coordinating with development and Project Management teams regarding QA activities and also exhibits strong experience in Project Management, Resource Management and test lead activities.
* Uses experience on SQL and Unix Experience in the Test Management tool preferably QC/ALM Management Skills for quality project deliverables.
* Developed Automated Test scripts using SELENIUM Framework and executed test scripts on local machines and on multiple test environments for testing the functional and regression flows. Utilized professional experience and advanced knowledge of the different systems.
* Involved in designing and implementing of hybrid automation framework to be used with Rest Assured and Maven using TestNG framework.
* Performed Data driven testing Rest-Assured using TestNG functions and JDBC Connections which reads data from scripts using property and XML files. Experience in writing automation java coding using rest-assured library with java, cucumber
* This knowledge is an asset to the client since I am acquainted with these systems during the initial knowledge transitions phase.

|  |  |
| --- | --- |
| **Project Title** | **QA Analyst, IFT to GMTS Migration** |
| **Duration** | **Apr 2017 – July 2018** |
| **Location** | **Wells Fargo, Charlotte, North Carolina** |

# ROLES AND RESPONSIBILITIES:

* As a QA Test Lead at the onsite location of Wells Fargo performed SIT and UAT. Involved in Smoke testing, Regression and Critical Path Testing,
* Lead the test team over various Functional Group testing, acted as a member of the SME group that made the decision of Test coverage in each Group, involved in the Analysis.
* Review of the BRD and FSD to create as well as review test scripts based on the same, Executed manual runs, review Test results, update Test results into the ALM. Assisting other interface teams with their component integration testing. Such as with the SWIFT Team and the GSMOS team.
* Familiarize with other Interface components Like Swift Alliance Access (SAA), Swift Smart Router (SSR), GSMOS UI, Pricing Services etc.
* Developed and implemented the app database to integrate the payment history data and payment centre location data in XML and JSON format coming from the main database servers. Extensively used SOAP UI for functional testing of web services.
* Written white-box test cases based on the User and Business Requirements. Worked on Selenium for creating and executing test cases for functionality testing of a web app. Verified the application on difference web browser such as IE, Mozilla Firefox and safari
* Involved in defining test automation strategy and test scenarios, created automated test cases, test plans and executed tests using Selenium WebDriver and JAVA. Worked on White-Box server-side System level test cases using JUNIT. Developed Automation scripts using QTP.
* Worked with other interface partners and assist in their System testing with GMTS.
* Creating (using load files and Web UI) and processing of Swift, FED and Chips payments.
* Work with Various GMTS Functions such as REL, ENT, INQ, VFY, RPR, EXC, CAN, LIN, QUS and their Web UI counterparts.
* Part of the test endeavor for testing new processing added to the GMTS Payment Landscape – such as Processing of Chinese Telegraphic Code in messages and testing for the implementation of new P-Rules, among many others.
* Coordinated effectively with Project Managers to ensure testing activities align with project timelines and milestones.
* Involved in the estimation of Change Requests. Additional responsibilities include training up and monitoring of offshore resources and managing some of offshore deliverables.

|  |  |
| --- | --- |
| **Project Title** | **QA Analyst, Debit Card Fulfillment** |
| **Duration** | **Jun 2016- Mar 2017** |
| **Location** | **Discover Financial Services, Chicago, Illinois, US** |

# ROLES AND RESPONSIBILITIES:

* Worked as QA Lead participated in agile release planning, backlog grooming sessions, iteration planning and retrospective sessions as per company agile guidelines.
* Performed Validation Testing to confirm that application adhere to requirement standards. Participated in smoke testing, regression testing and user interface testing.
* Analyze the requirements shared from client team, consolidates them by functional grouping.
* To Lead the project from testing side, assigning testing tasks to the team and provide the status to project team on day-to-day basis.
* Coordination between Onsite and Offshore during all levels of testing from Smoke, System, End to End & Regression and UAT.
* Analysis of Functional specifications and preparing the test cases and executing the same in each and every build.
* Escalating promptly any issues that may impact operations. Have used HP ALM for documenting the test cases, test suites and for test execution. Co-ordinate with Business team to get the resolution for queries raised by QA teams.
* Responsible for testing Web services using Soap UI Performing the job of managing the QA & development team at client location.
* Responsible to assign the work to the QA team members. Responsible for providing the QA estimations to perform requirement discussions, test case writing and Test case execution review the test cases that are created by the team.
* Responsible for providing the project plan and sharing the project updates on weekly basis, reviewing the system test plan & Test strategy, share the test execution status report on different projects to the client on daily basis, supporting the business in Business Acceptance Testing (UAT). Maintain the time card of all the team members and present it to the business on monthly basis.

|  |  |
| --- | --- |
| **Project Title** | **QA Engineer, Derivatives Pricing System GUI** |
| **Duration** | **Jun 2015- May 2016** |
| **Location** | **State Street Corporation, Kansas City, Missouri** |

#  ROLES AND RESPONSIBILITIES:

* Worked as a Test lead, participated in agile release planning, backlog grooming sessions, iteration planning and retrospective sessions as per company agile guidelines.
* Performed Validation Testing to confirm that application adhere to requirement standards. Performed database testing by writing SQL queries.
* Participated in smoke testing, regression testing and user interface testing.
* Created Test Strategy, Test Plan, Traceability and other testing artifacts. Documenting the Minutes of Meeting of the requirement discussion and documenting the High-Level Requirement (HLR) and Detail Level Requirement (DLR).
* Analyze the requirements shared from client team, consolidates them by functional grouping. Have used HP QC for documenting the test cases, test suites and for test execution.
* Prepare the use cases and traceability matrix. Worked on QTP and created scripts. Extensively worked with VB scripting and Descriptive programming by using Quick Test Professional.
* Prepared Test Cases for GUI application. Developed test scripts for Data driven testing using parameterization in QTP using Excel sheet for test data and Database Queries based on the functionality.
* Converted manual test scripts to automated test scripts in QTP, enhanced the scripts by adding user-defined functions.
* Automated test scenarios for GUI, Functionality, Integration, Database, Boundary, Security and Regression Testing using Quick Test Professional.
* Worked on QTP hybrid framework, identifying the functional areas and created different functions to make the scripts reusable in Quick Test Professional (QTP). Prepared test scripts using Quick Test Professional with checkpoints using regular expressions for handling windows with different names.
* Performed Validation Testing to confirm that application adhere to requirement standards. Co-ordinate with Business team to get the resolution for queries raised by DEV & QA teams. Responsible for testing Web services using Soap UI.

|  |  |
| --- | --- |
| **Project Title** | **Test Consultant Specialist, CSGI**  |
| **Duration** | **02/2008 to 03/2015** |
| **Location** | **Bangalore, India** |

**PROJECT DESCRIPTION:**

Singl.eView Convergent Billing has been designed for new generation customer care and billing environments to increase competitive advantage by making it easier to design, delivers and bills products and services customers want. Singl.eView Convergent Billing provides modules for Customer Management, Product Management, Order Management, Provisioning, Rating, Billing, Payments, Adjustments, and billing, Discounts, Invoicing and Treatments.

# ROLES AND RESPONSIBILITIES:

* Worked as Test lead for Singl.eView CB and CM.
* Involved in the preparation of Test Strategy and Test Plan documents
* Involved from analysis phase and started with preparing the estimates for the required resources to deliver the project on the schedule.
* Responsible for the complete Testing of the project.
* Participated in Agile release planning, backlog grooming sessions, iteration planning and retrospective sessions as per company agile guidelines.
* Requirement discussions with client team which includes setting up the conference calls with different business units.
* Documenting the Minutes of Meeting of the requirement discussion and documenting the High-Level Requirement (HLR) and Detail Level Requirement (DLR),
* Analyze the requirements shared from client team, consolidates them by functional grouping,
* Involved during the requirement analysis with Business analyst on the testable requirements and the scope.
* Providing the Knowledge Transfer to the new resources loaded in the project. Have been the key resource in guiding the offshore to deliver the project deliverables.
* Played an important role in Coordinating with all source systems, Business team and development team.
* Guiding & authoring the test scenarios for all the modules of the project in based on the User requirements sign-off by Business.
* Also took ownership of peer review for the test design deliverables from offshore before the walk-through with business on the test design deliverables.
* Have been coordinating with offshore/onsite tech team, Business Analyst, and other test data cross commit teams.
* Took responsibility of Internal Quality Audit & External Quality Audit of the test design documents based on the Client Account process
* During the execution, involved in executing multiple modules as to complete the execution on schedule.
* Responsible for daily and weekly status reporting, the preparation of Test Summary report, preparation of Case Study and Project Retrospection documents.