**Manoj Kumar**

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**PROFESSIONAL SUMMARY:**

* Industrious, proactive, innovative and result-oriented **IT** professional with over **14 years** of experience in **Software Testing** of Web based, Mobile app and client server applications in **Manual** & **Automation** testing using **Selenium** in various domain such as **Energy & Utility**, **Banking** and **Insurance**.
* Experience in working with different SDLC Models (Agile Scrum, Waterfall, V-Model) and Testing Life Cycle.
* Experience in SQA (Software Quality Assurance) with tools such as Selenium WebDriver/IDE, HP ALM, Quality Center, JIRA, SOAPUI.
* Experience in creating test plans, test strategy, writing/executing test cases, Manual testing, automated test execution.
* Hands on Experience in **Manual** Testing, **Automation** Testing, Functional Testing, System Testing, Integration Testing, Regression Testing, Compatibility Testing, Browsers & Devices Testing, Mobile testing, API Testing, End to End testing, User Acceptance Testing, GUI Testing, Sanity Testing, Database Testing, **AWS Cloud** Testing, Mainframe Testing.
* Specialized in user requirements, documenting test plans, execution of test cases to verify application functionality against business requirements by using Selenium WebDriver.
* Expertise in Set up of  **Selenium WebDriver**on TestNG Framework using Eclipse IDE.
* Designed and Developed Automation Framework with Selenium Web driver, Java, Maven, Eclipse IDE
* Well Versed in Handling Web Elements for Selenium WebDriver and writing test cases using Element Locators, Web driver methods, Java Programming features and TestNG Annotations.
* Experience using Maven build tools to manage framework dependency jar files.
* Experience in generating HTML Test Reports using **Maven** & **TestNG**.
* Expertise with Core Java and Object-Oriented Concepts (Encapsulation, Abstraction, Inheritance, Polymorphism and Exception Handling).
* Extensive experience in working on **Keyword Driven**, **Data Driven** and **Hybrid framework** using Selenium Web Driver.
* Hands on experience in test driven development **(TDD) approaches.**
* Experience in Java, Oracle, SQL, MySQL, XPATH, CSS.
* Experience in working with Databases such as Oracle, SQL Server.
* Experience in Test Management, Test Delivery, Test Panning, Test Strategy, Estimations, Test Design, Test Execution, Reporting, Testing Metrics, Defect Management, Risk Assessment.
* Well versed in **Mobile Application** Testing (**iOS and Android** Native apps) through real devices & Browser Stack (cloud web and mobile testing platform), Created Mobile Test Strategies having Devices Selections, Screen Resolutions, Screen Orientation, Turning on/off GPS.
* Experience in testing Web services using **SOAP UI** and **Postman**, validated request and response xml.
* Experience in Testing migrated applications to **AWS Cloud** - Testing of newly migrated services for identified scenarios and compared to existing FPL.Com services to match the response data.
* Lead multiple system integration efforts, created and implemented integration strategy to ensure upstream and downstream systems.
* Resolving Team Queries, Review Testing artifacts, assigning tasks to team members, track progress, review test results.
* Expertise in implementing QA processes and best practices within the projects.
* Experience on Writing SQL queries to extract data from various source tables to perform database testing
* Delivered projects in **Agile Methodology** (Scrum), Cloud Migration (AWS), Integration Projects, Product Testing, Automation projects. Worked on a variety of complex, large-to-medium scale projects in various IT sectors.
* To Perform UAT and to support business teams in UAT to understand end to end workflow.
* Proficient in Test Management & Defect Management tools - **JIRA, Zephyr, Selenium WebDriver, TestNG, Eclipse IDE, HP ALM, Quality Center, QMetry, Confluence, IBM Rational Quality Manager, IBM Rational Team Concert**
* Conducting Defect Triage meetings, Sprint Demos, contributing in sprint planning, published burn down chart.
* Good understanding on Project Lifecycle, Testing Lifecycle, Defect Lifecycle and Product lifecycle
* Effective communication and leadership skills with ability of handling multiple projects collaborating with multiple teams/ vendors.
* Exceptional ability to maintain and build client & stakeholder’s relationship.
* Good Documentation, Problem Solving, Decision Making skills, Quick Learner & motivational leader, quickly able to identify both individual and team strengths.
* Domain knowledge in Energy & Utility, Banking, Telecom, Property & Casualty insurance, Cloud solution projects.

###### **TECHNICAL SKILLS:**

 **Methodologies :** Agile-Scrum,Waterfall, V-Model, Integration

 L**anguages**  : Java, SQL

 **Testing Tools** : Selenium Webdriver/ IDE, HP ALM, HP Quality Center, Qmetry, JIRA, Confluence, SOAP UI, Postman,

 Zephyr, IBM Rational, DOORS

 **Test Framework** : TestNG, Junit

  **Build Tools** : Maven

 **Databases**  : Oracle, SQL Server, IBM DB2, Mongo DB

 **Other Tools** : SQL Developer, SQL Server 2008, Mainframe DB2, Visual Source Safe 6.0, Team Foundation Server,

 Share Point, Visio, File - Manager/DB2, Browser Stack

 **Operating System**: Windows XP/10, Mac OSX, IOS, Android

 **Domain**  : Energy & Utility, Warehouse Management, Access recertification, Telecom, Property & Casualty

**CERTIFICATIONS/TRAININGS COMPLETED:**

* ISTQB Certification (External Foundation Level Certification)
* Agile Certification - Scrum (Agile Certification - Scrum)
* Received multiple **Customer Appreciation**, ‘Valuable Contribution Award’ for outstanding contribution in the project.

**EDUCATION:**

* Post Graduate Diploma in Embedded System & Design - CDAC ACTS, Pune, Maharashtra – 2005
* Bachelor of Engineering - Kumaon University, Nainital, Uttarakhand - 2003

**PROJECT EXPERIENCE:**

**Florida Power and Light, FL Jan 2016 to till Date**

**Role: Sr. Quality Assurance**

FPL Dot com is a Web based application which provides different services to the external customers & users to start/stop/move an electric service, pay online bills, maintaining energy details, Account Summary details, Email Bill Enrollment, Automatic Bill Payment, Outage Report etc.

**Responsibilities:**

* **Design** **keyword driver framework** for Selenium automation using Webdriver, Java and TestNG.
* Analyzed business requirements, system requirements and data mapping requirement specifications interaction with Business Analyst.
* Created and implemented Test Plan and Test Strategy document outlining the scope, objectives, timeline & focus of software testing efforts for Black box, Whitebox, Functional, Regression, User acceptance and Stress testing.
* Involved in analyzing system specification, design and development and execution of test plans and test cases for **Manual** and **Automation** testing.
* Involved in defining test automation strategy and **test scenarios**, created automated **test cases, test plans**and executed tests using **Selenium WebDriver.**
* Involved in setting up configuring the testing environment with **Eclipse, Selenium WebDriver and TestNG.**
* Performed **GUI testing, Functional testing, System testing, Integration testing, Regression testing, Ad -hoc testing, Negative testing, End to End testing** on multiple Agile projects.
* Handling Web Elements for **Selenium WebDriver** and writing **test scripts** using Element Locators, Web driver methods, Java Programming features and **TestNG** Annotations.
* Automated regression Test Cases using **Selenium WebDriver** & **TestNG framework.**
* Designed object repository in Selenium framework using CSS and XPATH locators.
* Implement Data-Driven test to verify the same functionality with multiple set of data.
* Experience using **Maven** build tools to manage framework dependency jar files.
* Experience in generating HTML Test Reports using **Maven** & **TestNG**.
* Involved in executing **Selenium test scripts**on the different browsers and checked for compatibility.
* Developed the Positive and Negative Test Cases for various modules based on the business requirements.
* Testing APIs/web services by send request and response by **REST API.**
* Database testing by writing SQL queries in Oracle SQL Developer tool.
* Lead test delivery for multiple agile projects running in parallel for FPL.Com application for System testing, Integration testing, Regression testing, GUI Testing, Sanity testing, End to End Testing on Test and QA environments
* Test Management, Program Management, Resource Management, managing Client Expectations, Risk Management
* Preparing critical business test scenarios and ensuring team understands the flow before execution
* Data creation and set up for the test execution.
* To perform sanity testing at a new build to ensure that build is testable.
* Performed Cross Browser & Devices Testing at Windows, Mac and Responsive Web Design testing in various version of Android and iOS (iPhone / iPad) devices at Real Devices and at Browserstack.
* Testing Mobile Web applications & Native Mobile app at different version of IOs & Android devices.
* Testing migrated applications to AWS Cloud - Testing of newly migrated services for identified scenarios and compared to existing FPL.Com services to match the response data, regression testing at Cloud for the existing functionality
* Defect logging and reporting, conducting defect triage meeting within a sprint life cycle and track them till closure.
* Resolving Team Queries,Review Testing artifacts,assigning tasks to team members & track progress,Review test results.
* Participating with business teams supporting UAT and helping them to understand end to end workflow.
* Contributing in sprint planning discussions, daily scrum stand-ups, retrospective meetings
* Publishing the daily status reports, Testing Matrix and end of test closure reports with business and stakeholders and seeking the testing sign-off before go-live
* Coordinating with Product Owner/ Scrum Master and Development leads to understand the new customizations and upcoming sprint
* Risk Management - Identify potential risk with in the project and having mitigation plans.
* Providing insights and inputs on testing progress on weekly basis to client leadership, stakeholders and business team
* Status reporting (Sprint Reports, Weekly Status Reports, Capturing the Retrospective notes)
* Present sprint demo to product owner at the end of every sprint.
* Implementing best practices and QA processes within the project
* Created Performance Test scope and Test plan by Reviewing and analyzing the Non-Functional requirements
* To support performance testing by providing the test data in bulk to eliminate performance bottlenecks

**Environment, Tools & Database:** Agile - Scrum, Java, Selenium Webdriver, TestNG, JIRA, Confluence, SOAPUI, Qmetry, Maven, SQL, Oracle SQL Developer, IBM DB2, Postman, Work Management System, Mainframe DB2, Mongo DB, AWS Cloud, BrowserStack, IBM Rational

**United States Cold Storage, Camden, NJ March 2014 to Dec 2015**

**Role: Sr. Quality Assurance/ QA Lead**

United States Cold Storage has an in-house developed Warehouse Management System (WMS), which automates all the operational activities in a warehouse. USCS initiated to replace Legacy system WMS to new web-based system eWMS which will facilitate enhanced user interface and centralized data management.

**Responsibilities:**

* Creating Test plans for Black Box Testing, White Box Testing, Functional Testing, System and Integration testing
* Lead testing efforts and test delivery for Black Box Testing, White Box Testing, Functional Testing, System testing, Integration testing, Regression testing, GUI Testing, End to End Testing, Sanity Testing
* Lead team of 10 team members in onshore-offshore delivery model.
* Requirement Analysis and discussion with BA/SME
* Creating Test strategy documents, Test scenarios and Test Scripts
* Efforts Estimations for requirements and Change Requests
* Reviewing Test Scenarios and Test Cases prepared by the team members
* BA review for testing artifacts and getting signed off
* Assigning and tracking the tasks to the Team Members, tracking the new/updated requirements and modify testing artifacts accordingly.
* Performing System and Integration Testing
* Defect Management - Defect tracking and reporting, Conducting Defect Triage Meetings
* Set up QA process and implemented best practices within the project
* To support UAT and getting signed off from business
* Creating Daily / Weekly / Monthly Status Report and Test Summary Report
* Highlighting project risk to the Project Management, Client and Stakeholders and have mitigation plans
* Creating Testing Metrics - Test Design productivity, Test Execution productivity, Defect Density, Defect Rejection Ratio, Defect Leakage, Schedule Variance, Effort Variance, Testing Coverage, Requirement Stability Index
* Preparing KT documents, Conducting KT sessions to team to understand system knowledge and business requirements
* Created Automation testing plan and identify regression test cases for automation.
* Reviewed and analyzed the Non-User Stories (NFR), Created Performance Test scope and Test plan

**Tools & Database:** JIRA 1.7, Zephyr, SQL Client 3.5, Share Point, Selenium, Microsoft Power Point, SQL

**JP Morgan Chase, Tampa, FL Nov 2009 to Feb 2014**

**Role: Sr. Quality Assurance**

ID-Cert collects User Access data scattered across multiple systems into centralized, easily understood and business-relevant information. It helps to automate the process of: Certifying User access through work flow approval process. Certifying involves requesting review access/entitlements for all Users across Database, Platform & Application for retention or removal by respective Approvers.

**Responsibilities:**

* Requirement Analysis and discussion with BA/SME.
* Creating Test Plan, Test strategy, Test Scenarios, Test Cases
* Lead testing efforts and test delivery for System testing, Integration testing, Regression testing, GUI Testing, End to End Testing, Sanity Testing, GUI Testing
* Lead team of 10 members in Onshore-Offshore deliver model.
* Testing Estimations of project requirements, Change Request.
* Reviewing Test Scenarios/Test Scripts prepared by the team members, getting BA signed off.
* Assigning and tracking the tasks to the Team Members, tracking the new/updated requirements in the project and modify testing artifacts accordingly.
* Performed System & Integration Testing
* Performed migration testing for new system after database migration from SQL to Oracle
* Performed Database testing – Created test data/Feed data files, run sync jobs to feed data to the tables, validate data in database tables and at the application flows/screens.
* Test Data Set up, to run batch jobs to sync data from staging table to SQL tables
* Defect Logging and reporting using HP ALM
* Conducting Defect Triage Meetings, assigning defects priority/severity
* Involved in UAT testing with BA and Client UAT Testers and getting UAT signed off
* Testing support for Production Issues, performing regression testing around prod issues for the impacted areas.
* Creating Daily / Weekly / Monthly Status Report and Test Summary Report
* Involved in Client Calls and Meetings, providing status to Client
* Creating Testing Metrics like Requirement Traceability matrix, Test Design productivity, Test Execution productivity, Defect Density, Defect leakage, Defect rejection ratio
* Conducted KT sessions for Client Offshore team
* Prepared system KT Docs for Team members and motivating team to achieve the goals / targets, trained team members on various application and testing tools.
* Streamline existing QA program by identifying improvement areas and pain points and implementing Best practices
* Identify potential risk with in the project and having mitigation plans
* Implement automation within the project for Regression Testing
* Creating automation Test Plan and Test Strategy, Identify Regression Suite for Automation Testing
* Analyzed the Non-User Stories (NFR) and involved in creating Performance Test plan
* To support performance testing by providing volume of data.

**Tools & Database:** HP ALM 11.0, SQL Server 2008 /2005, SQL Developer, Team Foundation Server, Share Point, WCC (Workload Control Center), SQL, Oracle 11g

**State farm, Bloomington, Indiana Dec 2005 to Nov 2009**

**Role: Test Analyst**

Enterprise Claim System (ECS) program was initiated to migrate customer’s property and casualty claim system functionality from existing legacy-based platform to new J2EE based strategic claims processing platform. ECS program has initiated R12743 Drop7 Testing project to manage verification and validation activities for various functionalities within the scope of efforts with high degree of quality.

**Responsibilities:**

* Requirement Analysis, discussion with BA and SME for requirement clarifications
* Testing Estimations of project requirements
* Test Cases Creation, Test Scenarios
* Test Cases Review of Team members
* Performing System Testing, Integration Testing, Regression Testing, End to End Testing, Sanity and Smoke Testing
* Test Data Creation
* Smoke testing to ensure test environment set up for testing
* Test Execution
* Defect Reporting and Tracking
* Conducting defect triage meeting
* Creating Daily / Weekly / Monthly Status Report and Test Summary Report
* Participating in weekly conference call with customer to review progress
* Creating Testing Metrics - Requirement Traceability matrix, Test Design productivity, Defect Density, Test Execution productivity, Defects leakage, Defect rejection ratio
* Root Cause Analysts for defects
* Provided application KT to Team members, Creating system KT documents

**Tools & Database:** Lotus Notes, Rational Clear Quest, Rational Dynamic Object-Oriented Requirements System (DOORS), Claim Retrieval Tool, Claim Cloner Tool, SQL, Microsoft Office, Visual Safe Source, Microsoft Visio 2003, Rational Functional Tester