**Sindhu C**

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| **Professional Summary:** |

* 15+ years of experience in Software Testing in the areas of Manual and Automation testing of various applications for Client/Server and Web-Based environment.
* Experience in working with open-source tools **Selenium (Selenium IDE, Selenium RC, and Selenium WebDriver),Cypress, Appium, Python,TOSCA, Test NG, Eclipse IDE, Postman, Rest Assured, Maven and Jenkins CI.**
* **Managed** both offshore and onshore teams in EMEA, US and UK regions.
* Wrote Python scripts to parse XML documents and load the data in database and developed web based applications using **python**, CSS and HTML.
* Expertise in test automation frameworks, data validation scripts, and REST API testing.
* Proficient in building and validating large-scale data transformation workflows by using pyspark.
* Hands-on experience with AWS S3 in validating data pipelines, storage optimization, and monitoring
* Skilled in data validation, query optimization, and ETL pipeline integration testing.
* Experience in Core Java Programming using OOP (Object-oriented Programming) concepts, Collections, Exception handling, Threads using for developing automation scripts and automating with Selenium WebDriver.
* Successfully migrated on-premise applications to the cloud, ensuring seamless transition and reduced operational costs.
* Implemented automated testing pipelines for cloud applications using tools like **Selenium, Jenkins, and GitLab CI/CD.**
* Knowledge in creating Test Automation Framework using Selenium WebDriver with **Java,TestNG and Extent Reports.**
* Hands-on experience with tools like **Hadoop**, **Spark**, and **data lakehouses** for processing large-scale datasets.
* Familiar with tools such as **Informatica**, **DBT (Data Build Tool)**, or equivalent for ETL workflows.
* Integrated **Amazon Simple Queue Service (SQS**) for reliable message queuing, enabling decoupled and asynchronous communication between different application components.
* Utilized tools like **Terraform and Ansible** for automating provisioning and orchestration of cloud resources.
* Maintenance of regression suite using CI/CD pipelines.
* Experience on deploying the code on **AWS, Unix and remote desktops.**
* Implemented a continuous delivery pipeline with **Jenkins, GIThub and AWS.**
* Hands on Experience working in **WAMP**( Windows, Apache, MySQL and Python/PHP).
* Deployed and managed containerized applications using **Amazon Elastic Container Service (ECS**), ensuring optimal resource utilization and seamless scaling.
* Experience in re-provisioining the **AWS instances.**
* Transitioning on **chef services**.
* Designed and implemented scalable and secure AWS architecture, incorporating best practices and utilizing core services such as **ECS, Lambda, S3, and SQS.**
* Developed views and templates with **python** and **Django's** view controller and templating language to create user friendly website interface.
* Designed and implemented test strategies to achieve maximum test coverage and ensure the delivery of high-quality software products.
* Conducted exploratory testing to identify edge cases and improve system reliability.
* Monitored and analyzed application performance metrics during testing to ensure compliance with performance benchmarks.
* Mentored junior QA engineers and provided guidance on best practices in testing methodologies and tools.
* Created and maintained detailed documentation, including testing procedures, test scripts, and system requirements, for audit and reference purposes.
* Collaborated closely with developers to perform root cause analysis for complex issues and streamline the debugging process.
* Ensured compliance with industry standards and best practices in software quality assurance.
* Tested applications on multiple operating systems, devices, and browsers to ensure compatibility and usability.
* Contributed to the design and development of automated test frameworks and reusable test components.
* Worked with DevOps teams to implement automated deployment processes and continuous testing in CI/CD pipelines.
* Assessed and mitigated risks associated with software releases through detailed risk analysis and contingency planning.
* Led end-to-end testing efforts for major product releases, ensuring alignment with project timelines and quality goals.
* Participated in user story refinement sessions to define acceptance criteria and prepare for test case development.
* Acted as a liaison between development and business teams to clarify requirements and enhance understanding of the application's behavior.
* AWS Instances creating thru automation using **cloud formation template(CFT).**
* Extensively worked on Framework level activity such as Framework Maintenance, Automation script development, Automation script maintenance.
* Integrated Amazon **Simple Queue Service (SQS)** for reliable message queuing, enabling decoupled and asynchronous communication between different application components.
* Good Hands-on experience into Fiserv tools like Aperio, Signature, MX Brio, Connected Teller and Corillian.
* Leveraged **Amazon S3** for secure and scalable object storage, implementing lifecycle policies and versioning to ensure data integrity and availability.
* Experience in Database testing using **SQL** in order to check the data validation and data integrity.
* Developed and maintained serverless applications using **AWS Lambda**, reducing infrastructure overhead and enhancing agility.
* Solid testing experience in working with SQL stored procedures, triggers, views and worked with performance tuning of complex SQL queries.
* Knowledge in Web Services Testing using **SOAPUI** and **Postman**.
* Used automation scripts by using **Jenkins** in BDD Framework with **Cucumber** Scripts.
* Excels at **C, C++, STL, database(Nonstop SQL/MX, DB2, Oracle),** JSON, REST API, SOAP and running on HP Non stop server.
* Implemented automation using Selenium Web Driver, JAVA, Selenium Grid, Cucumber and Maven.
* Extensive experience in working with different databases such as **Oracle, IBM DB2, SQL Server, MySQL** and advanced expertise in writing complex **SQL, PL/SQL queries** and subqueries like stored procedures, joins, functions, triggers, views and exception handling for retrieving, manipulating, checking and migrating complex data sets. Also proficient in databases like **MongoDB, Oracle, PostgreSQL, Couch, MYSQL and Cassandra.**
* Configuring interfaces with payment networks, overseeing transaction routing and settlement, and ensuring compliance with industry standards.
* Experience in merging, tagging and conflict resolution in GIT and reviewed code using Gerit and maintenance of the GIT Repositories, views.
* Responsible of data validation testing using SQL and executing testing on data warehousing projects.
* Extraction of test data from tables and loading of data into SQL tables.
* Experience in testing and writing SQL and PL/SQL statements.
* Involved in extensive data validation using SQL queries and back end testing.
* Worked with different data sources like mainframes, Flat files, XML files and other relational and non-relational databases.
* Worked as Defect Manager and Scrum Master in Agile methodology.

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| **Technical Skills:** |

SELENIUM SOAP UI SQL Tandem GIT AS400/Mainframe LINUX FINSIM ATM POS Base24 ASSET CYPRESS TOSCA AAPIUM CYPRESS HADOOP PowerBI Tableau Postman Rest Assured

CONNEX VBSCRIPT SVN HTML QTP JIRA/BUGZILLA/HP QC/CONFLUENCE PUPPET CHEF ANSIBLE WINSCP PUTTY

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| **Education:**  |

* Bachelor of Engineering from JNTUH-2010, India

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| **Certification** |

* ISTQB
* Oracle
* Internal tools

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| **Work Experience** |

**Employer**: Webster Bank Nov 2023 - Till date

**Role:** QA Automation Lead

**Responsibilities:**

* Designed and built test automation frameworks from the ground up for web, mobile (iOS & Android), and backend API testing.
* Developed and maintained test automation scripts using Appium, Selenium WebDriver, JMeter, and Postman to validate RESTful APIs and user interfaces.
* Developed and maintained end-to-end test automation scripts using Cypress with TypeScript for UI and API testing.
* Implemented reusable TypeScript functions to improve test maintainability and efficiency.
* Integrated Cypress test scripts with CI/CD pipelines (Jenkins, GitHub Actions, Azure DevOps).
* Performed data-driven testing using Cypress and TypeScript.
* Debugged and resolved test failures, improving test execution stability
* Automated backend API testing using JavaScript, Java, and C#, improving test coverage and reducing manual effort.
* Integrated test automation into CI/CD pipelines using Git, Jenkins, and build systems, ensuring seamless execution of test suites.
* Designed and executed automated database testing for MongoDB, ensuring data consistency and query optimization.
* Developed test scripts for MongoDB using Java, JavaScript, and PHP, validating document structures, indexes, and query performance.
* Integrated MongoDB testing into CI/CD pipelines to ensure seamless deployment of NoSQL databases.
* Conducted load and stress testing for MongoDB using JMeter, identifying bottlenecks and optimizing query execution.
* Implemented indexing strategies and aggregation pipelines to enhance database performance for high-traffic applications.
* Monitored MongoDB performance using profiling tools and optimized queries for large-scale distributed systems.
* Designed and implemented test automation frameworks using Selenium, Cucumber, JUnit, TestNG, and Playwright, significantly improving test coverage and execution speed.
* Developed and executed end-to-end testing strategies for web applications, APIs, and data pipelines in cloud-based environments (AWS, Azure).
* Built robust test scripts for UI, API, and database validation, integrating them with CI/CD pipelines.
* Performed load and performance testing using tools like Gatling and JMeter to ensure application scalability and reliability.
* Led UAT (User Acceptance Testing) efforts, working closely with business stakeholders to validate requirements and ensure software quality.
* Integrated test suites into Jenkins and ArgoCD-based CI/CD pipelines, automating regression and smoke testing.
* Conducted code reviews and quality assessments, implementing best practices for maintainable and reusable test automation code.
* Developed automation tests utilizing headless browser executions and Dockerized Selenium grids to improve efficiency.
* Deployed services in Kubernetes environments using deployment tools like ArgoCD and Jenkins.
* Analyzed logs using Sumo Logic, Kibana, or Splunk, and monitored applications with Prometheus, Grafana, and Honeycomb.
* Designed and implemented **Python-based automation frameworks** to validate ETL processes for data pipelines involving **AWS S3, Redshift, and Delta Lake**.
* Developed and maintained Shell scripts for automated test execution, scheduling, and monitoring in Linux environments.
* Reduced testing cycle times by 30% through test automation in data pipelines.
* Enhanced system reliability by integrating automated alerts for failed workflows in Informatica and AWS S3 pipelines.
* Led the design and development of an automated ETL testing framework, reducing manual testing efforts by 60%.
* Validated data pipelines across a Big Data ecosystem, ensuring data accuracy and integrity in large-scale processing.
* Validated large-scale ETL processes in Informatica, ensuring seamless data transformation and reporting.
* Used Snowflake Query validation, data ingestion testing, and ensuring schema consistency in cloud-based environments.
* Used DBT tool for automating data transformation testing, schema validation, and SQL-based model checks.
* Conducted schema validation and data quality checks in DataLake environments.
* Developed and executed SQL scripts to validate data transformations and migrations in AWS S3 and Redshift.
* Integrated automated regression testing into the CI/CD pipeline using Jenkins and Docker, enhancing deployment efficiency.
* Developed reusable test cases to verify data integrity and accuracy across source, staging, and target systems during the ETL process.
* Automated data validation by integrating Python/Shell scripts with Informatica workflows to perform checks on large datasets, reducing manual testing efforts by 40%.
* Conducted exploratory testing to uncover edge cases and improve ETL workflows' performance and reliability.
* Collaborated with data engineers and developers to resolve data quality issues, ensuring end-to-end pipeline reliability.
* Mentored a team of junior testers, providing guidance on automation tools, SQL, and Agile methodologies.
* Collaborated with cross-functional teams to identify, document, and track defects using test management tools like JIRA and TestRail.
* Developed and maintained end-to-end test automation scripts using Cypress for critical user flows.
* Performed UI and API testing using Cypress and created from framework from the scratch
* Extensively developed automation test scripts for regression testing (TestNG)
* Hands on experience on working cypress for angular application end to end testing.
* • Connected to databases via Cypress to validate UI data against DB entries.
• Experience in automating UI, API, and Database test cases using Cypress.
* Automated UI tests for an application using Cypress to validate checkout flows, product searches, and user authentication
* Conducted functional, regression, integration, and user acceptance testing to validate application functionality and performance.
* Conducted cross browsing testing and parallel execution.
* Performed backend validation by writing and executing SQL queries to verify data integrity and accuracy.
* Performed functional, regression, and integration testing to validate application workflows and business requirements.
* Collaborated with developers, QA engineers, and business analysts to identify and resolve defects efficiently.
* Generated detailed test reports and documented test cases to ensure traceability and compliance.
* Optimized existing automation scripts to improve execution efficiency and reduce test cycle times.
* Monitored test environments to ensure accurate and consistent testing results
* Documented detailed test results, prepared defect reports, and communicated findings to stakeholders for resolution.
* Participated in Agile/Scrum ceremonies, including sprint planning, daily stand-ups, and retrospectives to align testing efforts with development goals.
* Automated repetitive test scenarios using tools such as Selenium and Cypress to improve test coverage and efficiency.
* Validated REST and SOAP APIs using tools like Postman and SoapUI, ensuring API functionality and reliability.
* Provided feedback and recommendations to improve software usability, reliability, and maintainability.
* Supported continuous integration and delivery (CI/CD) pipelines by integrating automated tests into the development workflow.
* Defined comprehensive test strategies and test plans for new mobile and web-based healthcare applications, working with cross-functional teams to ensure that testing aligned with both functional and regulatory requirements .
* Developed and maintained automation frameworks for mobile applications using Appium and Selenium, allowing for efficient and scalable testing across different mobile devices and browsers.
* Improved test coverage by integrating mobile and web automation into a CI/CD pipeline via Jenkins and Azure DevOps, ensuring faster feedback cycles and smoother releases.
* Led the creation of test harnesses for mobile testing, which allowed for the parallel execution of test scripts across multiple devices (iOS and Android).
* Contributed to the evaluation and selection of QA automation tools and testing platforms to improve testing efficiency. Utilized SpiraTest for test management and Jira for defect tracking.
* Experience with API Testing using Postman and SoapUI, ensuring the seamless integration and functionality of APIs in enterprise application
* Worked with business and development teams to review business requirements and ensure that all acceptance criteria were clear, measurable, and aligned with quality goals.
* Worked closely with offshore testing teams to align testing efforts, provide mentorship on best practices, and ensure consistent communication across different time zones, improving overall team efficiency and effectiveness.

**Employer**: Abott Laboratories Aug 2023- Nov 2023

**Role:** SDET engineer

* Spearheaded the mobile test automation effort using Appium and Selenium to automate functional, regression, and performance tests for both iOS and Android platforms.
* Developed and executed comprehensive test plans, test cases, and test scripts to ensure software quality across various platforms.
* Designed and developed end-to-end test automation scripts using Cypress with TypeScript for UI and API testing.
* Created custom Cypress commands in TypeScript to enhance reusability and simplify test maintenance.
* Implemented Page Object Model (POM) in Cypress using TypeScript to structure test cases efficiently.
* Developed data-driven testing frameworks in Cypress using fixtures and external data sources (JSON, CSV, or API responses).
* Integrated Cypress with CI/CD pipelines (Jenkins, GitHub Actions, Azure DevOps) for scheduled and on-demand test execution.
* Used Cypress interceptors for mocking API responses to simulate different test scenarios.
* Conducted cross-browser testing using Cypress plugins and executed tests in headless mode for faster execution.
* Analyzed test reports using Cypress Dashboard, Allure Reports, or Mocha Awesome for better debugging and visibility.
* Collaborated with developers to implement Shift-Left Testing, ensuring early defect detection.
* Automated validation of real-time data streaming applications using Cypress for web-based event-driven workflows.
• Designed and implemented Python-based automation frameworks to validate ETL processes for data pipelines involving AWS S3, Redshift, and Delta Lake.
• Developed and maintained Shell scripts for automated test execution, scheduling, and monitoring in Linux environments.
• Reduced testing cycle times by 30% through test automation in data pipelines.
• Enhanced system reliability by integrating automated alerts for failed workflows in Informatica and AWS S3 pipelines.
• Led the design and development of an automated ETL testing framework, reducing manual testing efforts by 60%.
• Validated data pipelines across a Big Data ecosystem, ensuring data accuracy and integrity in large-scale processing.
• Validated large-scale ETL processes in Informatica, ensuring seamless data transformation and reporting.
• Used Snowflake Query validation, data ingestion testing, and ensuring schema consistency in cloud-based environments.
• Used DBT tool for automating data transformation testing, schema validation, and SQL-based model checks.
• Conducted schema validation and data quality checks in DataLake environments.
• Developed and executed SQL scripts to validate data transformations and migrations in AWS S3 and Redshift.

**Employer**: Fiserv Inc Dec 2016- July 2023

**Role:** Automation Test Lead

**Responsibilities:**

* Designed and implemented scalable test automation frameworks for UI, API,Ios/Android and performance testing.
* Developed automation solutions to spin up disposable test environments with microservices and database configurations for rapid testing.
* Customized, configured, and patched services, deploying infrastructure and code changes to production environments.
* Created performance benchmarking strategies using Gatling, JMeter, and AWS Load Testing tools to optimize service performance.
* Designed API contract testing frameworks using REST Assured and Postman to validate service interactions.
* Implemented automated security testing as part of DevSecOps strategies, identifying vulnerabilities in CI/CD pipelines.
* Conducted backend testing using relational databases (SQL) and NoSQL for validating data integrity and performance.
* Automated cloud-based testing workflows using AWS Lambda, Step Functions, and CloudWatch for scalable testing strategies.
* Ensured robust API automation with RESTful APIs, validating request-response flows and error handling.
* Designed and built scalable test automation frameworks for iOS and Android applications from the ground up using Appium, Selenium WebDriver, and TestNG.
* Developed and maintained cross-platform mobile automation frameworks supporting both native and hybrid applications.
* Implemented robust page object model (POM) and data-driven testing strategies for improved maintainability and scalability.
* Integrated mobile test automation with CI/CD pipelines (Jenkins, GitHub Actions, GitLab CI/CD, or Azure DevOps) to enable continuous testing and faster releases.
* Designed and implemented test execution strategies for real devices and emulators/simulators using Sauce Labs, BrowserStack, and Firebase Test Lab.
* Developed test automation utilizing Kubernetes and Docker for streamlined test execution across microservices.
* Improved test execution efficiency by leveraging parallel testing, Selenium Grid, and cloud-based execution environments.
* Collaborated with SRE teams to analyze logs using Sumo Logic, Prometheus, and Grafana to identify performance bottlenecks.
* Spearheaded **testing strategies** for ETL processes, including automated test case creation for complex data transformation workflows.
* Performed thorough **root cause analysis** and regression testing, leading to a 35% reduction in production defects.
* Designed test scripts using Postman to validate APIs involved in data ingestion and integration workflows.
* Managed testing activities for a **Big Data platform** leveraging tools like Hadoop and Spark, ensuring seamless data processing.
* Oversaw cross-functional Agile teams, fostering collaboration between business analysts, developers, and testers.
* Automated **data validation scripts** for DeltaLake using PySpark, ensuring seamless data processing and storage.
* Conducted exploratory testing and root cause analysis for Kafka-based streaming applications.
* Designed test strategies for **AWS Redshift** data warehouses, validating data ingestion and querying performance.
* Involved in capturing test requirements from business requirements and system requirements.
* Developed and maintained automation scripts for data-driven testing using Selenium and Python.
* Validated **data warehouse processes**, ensuring accurate data extraction, transformation, and loading across multiple environments.
* Automated execution of ETL tests, monitoring scripts, and data validation workflows with shell scripting.
* Automated testing of **Kafka** streaming pipelines to ensure accurate and timely data processing.
* Conducted **performance testing** for ETL workflows, identifying bottlenecks and optimizing pipeline efficiency.
* Designed and implemented a scalable and maintainable UI test automation framework using tools such as Selenium WebDriver, Cypress, or Protractor.
* Communicated with BA’s, Developers to translate requirements to test cases.
* Automated accessibility testing to ensure compliance with WCAG and other accessibility standards.
* Built robust API testing frameworks using tools such as Postman, REST Assured, or JMeter, allowing for comprehensive testing of RESTful and SOAP services.
* Generated detailed Test Plans, Test Procedures, Test Requirements, and executed test scripts and cases to meet business and functional specifications.
* Developed and executed manual and automated test scripts using **Selenium, TestNG and Maven to build and management.**
* Used Cypress as part of test automation and developed regression/integration scripts.
* Handled daily status calls from both offshore and onsite teams.
* Defect logging, Tracking, Reporting and Validation using **JIRA**.
* Developed automated scripts using **Java** as main programming language.
* Used Springboot framework for developing micro services.
* Integrated API tests into CI/CD processes, ensuring constant validation of the codebase and early detection of issues
* Creating reusable functions, which improve the robustness, re-usability, and maintainability of the test scripts.
* Existing Selenium Framework is used to automate the Web Applications which follows **Page Object** **Model**.
* Framework has Object Repository and test data from spreadsheet. Also sends email after the execution of the test suite.
* Managing the source code using **GIT** version control
* Executing the developed scripts from **Jenkins CI**.
* Wrote the **SQL** scripts and tested the backend data for various test scenarios.
* Creating reusable functions, which improve the robustness, re-usability, and maintainability of the test scripts.
* Managing deposits and lending used signature and Aperio for customer related information.
* Creating automated test scripts using cypress automation tools
* Maintenance of regression test suite and deployed using CI/CD and Jenkins.
* Creating Automated test of API suite using rest assured and Java
* Maintaining automated triggered regression suite
* Framework design and its improvement tasks.

**Employer:** Accenture Services India Aug 2015- Dec 2016

**Role:** Application Development Analyst

**Responsibilities:**

* Created and tested numerous test plans and test case scenarios for the project in Test rails for the areas like Device Management, Media Management.
* Conducted functional, regression, and integration testing for POS systems, self-checkouts, and digital payment solutions to ensure seamless retail transactions.
* Validated end-to-end payment flows, including credit/debit card processing, digital wallets, and mobile payments, ensuring compliance with PCI-DSS standards.
* Tested order management systems (OMS) for accurate order processing, inventory updates, and real-time tracking across multiple sales channels.
* Performed API testing for integrations between e-commerce platforms, payment gateways, and third-party logistics providers.
* Tested inventory management systems to ensure real-time stock updates, minimizing order fulfillment delays.
* Conducted load and performance testing on supply chain applications to validate high-volume order processing efficiency.
* Ensured accurate data synchronization between warehouse management systems (WMS) and enterprise resource planning (ERP) solutions.
* Led testing efforts for omnichannel retail platforms, validating seamless shopping experiences across web, mobile, and in-store applications.
* Performed UI/UX testing on mobile apps (iOS/Android) to enhance customer engagement and optimize user journeys.
* Conducted Appium-based test automation for retail mobile applications, ensuring stability across multiple device types.
* Development of new modules for unix C++ applications
* Migration of databases from SQL server 2005 to 2008
* Worked on **C++ , STL, data structures, UNIX and Multi threading**.
* Experience in developing middle ware components for software in C/C++ using STL, multi threading, data structures, IPC(TCP/IP Socket programming)
* Implemented **Page Object Model** by using Page Factory elements.
* We used Core-Java and Collections to build the framework.
* Performed parameterization of the automated test scripts in Selenium to check how the application performs against multiple sets of data Contributed in developing Automation Framework that uses Java, Selenium **WebDriver** and **TestNG**.
* Wrote automation test cases and fixing automation script bugs.
* Worked extensively on **UNIX** environment to execute the shell scripts.
* Executed the **UNIX** shell scripts that invoked **SQL** loader to load data into tables.
* Reviewed Error log files in UNIX box when order fails to load into SQL tables.
* Selected the Test Cases to be automated and performed functional testing of the front end using Selenium (IDE and WebDriver) & created **Data Driven** **framework** using **TestNG**.
* Executed parallel browser testing on various machines using Selenium Grid and performed CROSS Browser testing.
* Implemented automation using Selenium Web Driver, **JAVA**, Selenium Grid, **Cucumber** and **Maven**.
* Developed BDD tests using Cucumber by writing features and developed required Selenium support code in JAVA for Cucumber.

**Employer:** Bally Technologies IndiaDec 2013-Jul 2014

**Role:** Quality Assurance Engineer

**Responsibilities:**

* Installing, Configuring and Troubleshooting of Linux (**Cent OS, RHEL and Ubuntu**) servers and workstations.
* Moved columns of data in and out of database tables using **PL/SQL** program units by passing collections as parameters.
* Writing SQL queries, Cursors using embedded SQL, PL/SQL.
* Involved in Requirement gathering meeting and workshop with Customers, Business and Technical team.
* Took part in impact analysis workshops, testing effort estimation and inspection of the requirements documentation.
* Created test suite for iPhone, iPad and android platforms
* Arranged daily SCRUM for the project updations.
* Implemented new SQE process for smooth work flow.
* Co-ordinate with the developers and help them in fixing defects faster.
* Provide support to Business team and also provided support to the end users in live.
* Assisted with training for the production team on how to use the application.
* Arranged knowledge transfer sessions within the team and created the necessary artifacts.
* Few of the games and Applications are Playboy, Quick Hit, Wild Huskies and Hot Shot.

**Employer:** Tata Consultancy Services IndiaFeb 2011-Nov 2013

**Role:** Systems Engineer

**Responsibilities:**

* Designed automation of the test cases.
* Responsible for functionalities.
* Reviewed all the QTP functions created by the team.
* Creating **Selenium** & **QTP** Scripts.
* Maintenance of the script and updating the script as per the new changes.