**Sivakumar Ithanaboina**

Mobile: 07466334775, E-Mail: siva1711@gmail.com

**10+** years of experience as Quality Assurance Engineer in testing Web [client server & Enterprise level web] and mobile [native & web] applications with strong skills in bringing automation culture.

## PROFESSIONAL SYNOPSIS

* Worked on different domains such as Banking and Retail.
* Experience in leading test team with best test strategies, automation solutions and managing releases across different environments.
* Proposed new testing techniques to achieve shift left testing, **Component Integration testing** for Webservices with wire mock stubs, **Contract testing** for consumer & producer integration at build level, **Browser tests with mock service** response for react Js application.
* Proposed new automation test tools, **Spring cloud contract verifier** for contract tests, **Jest** frameworkfor Browser image comparison tests, **Kotlin-BDD cucumber** framework for REST service integration tests and **WebDriver I/O** framework for react Js application system integration tests.
* Reduced cost of defect by introducing Component Integration, Browser tests and Contract tests at build level.
* Browser tests developed with Jest Framework for functional and image comparison testing, triggered tests in docker with mock service responses.
* **Contract testing with Spring cloud contract verifier** for API endpoints and Kafka events to validate producer and consumer compatible with each other.
* **Kotlin-BDD-Cucumber framework** developed with Kotlin and Gradle to match tech stack and automated webservices, Kafka integration tests.
* **WebDriver I/O framework** to automate react js application for System integration and End to end tests, introduced parallel, retry failed tests and capturing network logs for failed tests for quick debug the failures.
* Developed **J-meter** scripts for Webservices and UI performance testing and implemented maven J-mter plugin to run tests in Jenkins.
* Strong knowledge in automating **Rest services using SOAP UI and BDD Cucumber framework with spring framework functions**.
* Implemented the Mavenized J-unit framework for UI Automation and added customized html reports for BDD cucumber framework.
* Knowledge in various frameworks like Keyword Driven, Data Driven, Hybrid and Cucumber Frameworks.
* Knowledge on E2E implementation of CICD (DevOps) for UI, Rest services automation using CD orchestration tools like Jenkins and XL Release. Integrated automation framework with Sauce Labs and reduced overall test execution time.
* Having experience in Build Automation Tool - Apache Maven, Gradle for build and dependency management in Java/Kotlin projects.
* Involved in various phases of Software Development Life cycle like Requirement gathering, Analysis, Design, Development, Maintenance, Enhancement, Testing, Documentation, Implementation and Post implementation support.
* Proven track record in leading highly skilled workforce to successfully complete Application Testing through onsite/offshore model. Expertise in all the phases of software testing life cycle requirements gathering, Estimation, Test design, Test Execution, Defect Management & End of Test Summary.
* Have exposure working on agile projects, leading scrum team and handled in sprint testing and status tracking. Delivered the projects in Agile Methodology. Involved in Product Backlog refinement, Sprint planning, Pre/Post card hurdle and Retrospective meetings.
* Hands on Experience in Test Management tools like JIRA, Rally, HP Quality Center 10.0 and 11.52.
* Good knowledge on DB Testing (SQL queries).
* Deep understanding of financial services applications. Evolved as a subject matter expert in a complex financial aspect of the Foreign exchange International payments application.

## QUALIFICATIONS

* Bachelor of Technology (First Class with Distinction) from JNTU University, Hyderabad, India (2006–2010)

## CERTIFICATIONS

* Cognizant Certified Agile scrum practitioner.
* ISTQB Certified Professional in Software Testing (Foundation Level) – External.

## KEY AWARDS & RECOGNITION

* Cognizant - Best Team Award - Making a Difference
* Cognizant - Monthly Award - Highflyer of the Month
* Received several appreciations from various client IT & business stakeholders

## SKILLS SET

**Programming Languages    : Java, JavaScript, Kotlin, Groovy, Node**

**Database : Oracle and SQL Server**

**Test Automation : Web driver, WebDriver I/O, Jest, BDD-Cucumber with Java, BDD cucumber with Kotlin, Serenity BDD, Spring cloud contract verifier, J-meter, J-unit, TestNg**

**Version Control Tools : GitHub and Tortoise SVN**

**Defect Management Tools : JIRA and Rally**

**Methodologies     : V model, Agile models (Scrum, Kanban, Safe Agile)**

**Web Technologies : HTML, XML, CSS, Java Script**

**DevOps Tools : Jenkins, Docker and XL Release**

## PROFESSIONAL EXPERIENCE

**Cognizant Technology Solutions, Test Lead - (Apr 2018 till date)**

**Project Details:**

**Project 1:**

##### ***Project Name : FX-Global Payments for American Express***

Duration : Apr-2018 to till date

Role : SDET, Test Lead

Testing Methodology : Safe Agile, CICD

Tools Used : JIRA, Confluence, Webdriver IO, Jest, BDD Cucumber with Kotlin, Spring Cloud contract verifier, Kafka, Kotlin, Javascript, Node, Intellij, Jenkins, GIT, Docker, SauceLabs, Xl Release

**Roles & Responsibilities:**

* Defining test strategy for the Global pay project, introducing new testing techniques to move shift left validations.
* Agree scope of the work & project priorities with client, understand business requirements.
* Prepared test strategy & plan with different test techniques and defining clear entry and exit criteria for each testing phase.
* Involvement in PI planning to agree features for the upcoming sprints and agree with business requirements.
* Involvement in Product backlog refinement process to understand the technical details of the user story and story point using planning poker.
* Conduct Pre-card huddle breakdown with developer and QE to define clear test scope for the user story.
* Define and implement Component integration tests along with developer to run the tests at build level.
* Write Browser and Image comparison tests with Jest framework along with developer code to run the tests in docker at build level.
* Define the consumer contract in yml file in producer code and write consumer contract integration tests to validate the consumer and producer are compatible with each other for endpoints/Kafka events.
* Write BDD tests in Kotlin-BDD cucumber framework to run the tests in E1 environment once the changes are deployed.
* Write System Integration tests using WebDriver I/O to run integration tests in E1 environment.
* Write Security tests with enterprise internal tool.
* Write Jmter scripts for UI and Endpoints to measure performance metrics.
* Production sanity tests for UI and REST services to validate once changes are deployed in production.
* Integrated above mentioned tests with Jenkins and trigger them with XL-Release while deploying application changes across multiple environments without manual intervention.
* Updating the user stories with test evidence, raise automatic defects when automation test fails. Demo user stories when all the tests are working fine.
* Involve in Retrospective meetings to improve the process.
* Update all the user stories tasks and complete test process as per the Audit guidelines and keep the project status always in green.
* Maintained a central repository using GIT for the automated test scripts.

**Project 2:**

##### ***Project Names : FX-International payments for American Express***

Duration : October-2012 to March -2018

Role : QA Test Analyst.

Testing Methodology : Waterfall, Agile

Tools Used : Rally, Confluence, Selenium Webdriver Framework, BDD Cucumber with Java, Intellij, Jenkins, GIT, SauceLabs, Xl Release

**Roles & Responsibilities:**

* Agree scope of the work & project priorities with client, understand business requirements.
* Prepared test case point estimates based on the business requirements for approval.
* Prepared test strategy & plan.
* Reviewed offshore deliverables to ensure quality.
* Worked closely with client & offshore delivery team to resolve impediments to ensure timely quality deliverable.
* Driven defect triage meeting for project liaising with project manager, business analyst & technical team.
* Driven weekly project review meeting with client stakeholders to review project pipeline, work performance, resource planning, area of improvements, issues, risks & concerns.
* Provided clarification on requirements /functional understanding to the offshore team.
* Prepared End of Test Report.
* Reviewed Monthly/Project Metrics to measure the project synopsis on release basis.
* Feasibility study of manual regression test scripts and Design of Automated Test scripts using Selenium Web Driver.
* Maintained a central repository using SVN and GIT for the automated test scripts.
* Prepared Mavenized Junit frame work and integrated with Jenkins to support nightly regression jobs.
* Prepared BDD cucumber framework to automate the Rest services.
* Reviewed the automation test scripts and provided optimized solutions.
* Played a key role to transition overall team to Agile process.
* Provided KT sessions to the new joiners in the team on functional and automation aspects.
* Delivered the projects in Agile Methodology. Involved in Product Backlog refinement, Sprint planning, Pre/Post card hurdle and Retrospective meetings.
* Performed the API testing using SOAP UI Rest Services.
* Worked on waterfall projects, involved in Requirement Analysis for major modules in the application & Knowledge Acquisition through Client calls.
* Prepared Test scenarios, Test cases and Test data as per the requirements.
* Monitored and enhanced the test process and defect methodology.
* Shouldering overall responsibilities to understand Client Processes and to work efficiently to meet targets and deliver solutions in accordance with Cognizant quality control standards and business practices and procedures.
* Performed in-depth analysis of impact assessments to identify the modules that could be potentially impacted and arrive at testing strategy.
* Execute the SQL queries to identify and prepare the test data characteristics.

**Project 3:**

##### ***Project Names : Master Card Application,* *Interactive Voice Response (IVR),* *Loyalty PCB***

Duration : April-2011 to September -2012

Role : QA Test Analyst.

Testing Methodology : Waterfall

Tools Used : HPQC,SQL developer,BODS Server/Autosys Jobs,Filezilla,Putty,Metastorm monitor Console

**Roles & Responsibilities:**

* Understanding the Requirements and Functional Specifications of the application.
* Identification/Design of Test Scenarios and Test cases.
* Prepared and Executed Test Cases as per System Requirements.
* Extracted data from the source data base to load in to Target data base using MIM console.
* Performed Manual/Functional Testing process to ensure the quality of the software.
* Defect Reporting and Tracking overall status using HP Quality Center.
* Co-ordination with various Business partners to process the applications and perform E2E validations of campaign parameters.
* Sending status reports daily to on-site coordinator and weekly to client.