**Sudhakar**

**Avenel, NJ - 07001**

📞 **+1 703 349 2620**

**📧 jackson@isoftechus.com**

**Professional Summary:**

* Over **14+ years** of experience in the field of Software Testing, currently working as **SDET -Software Development Engineer in Test**.
* Proven ability in **Automation** Testing, **API** Testing, **Web** Testing, **Mobile** Testing, **Framework** development, **BDD**, **Functional** testing, **Regression** testing and **Performance** Testing.
* Experienced in each phase of Test Life Cycle (**STLC**) and good knowledge in all phases of **SDLC**. Have also developed automated test solutions for various clients in different domains such as **Banking & Financial Services, Mortgage, Manufacturing, Logistics, HealthCare, Insurance & Life Sciences, Energy Utilities** and **Networking**.
* Exception ability to quickly adapt to new concepts and Capable of working in groups as well as independent.

**Technical Skills:**

**Automation Tools/APIs:** Cypress Protractor Selenium WebDriver Selenium GRID IBM RFT HP UFT

Test Complete Jasmine Mocha

**Webservices Automation Tools:** SoapUI/Ready API Postman Rest Template Apache Http Client Super Test

**Mobile Testing Tool:** Appium for iOS and Android

**Performance Testing:** JMeter

**Cloud stack:** Sauce Labs

**Development Technologies:** Spring (Dependency Injection JDBC Template)

**Build Management Tools:** Maven

**Defect Management Tools:** JIRA Rally HP QC ALM

**Frameworks:** TestNG Junit Data Driven Framework Keyword Driven Framework Hybrid Driven Framework Page Object Model Cucumber BDD

**Continuous Integration:** Jenkins GITHUB

**Database/ Database Tools:** Oracle 12 MySQL Gem fire Postgres TOAD PgAdmin

**Programming Languages:**  Java JavaScript TypeScript Ruby VBScript Auto IT

**Operating Systems:** Windows Mac Ubuntu

**IDE Tools:** Visual Studio Code Eclipse IntelliJ XCode Ruby mine

**Development Methodologies:** Agile Scrum Waterfall

**Version Control Tools:** GIT SVN Perforce

**Education Summary:**

* **Bachelor of Engineering (EEE) - Bharathiar University, 2004, Coimbatore, Tamilnadu, India.**

**Certifications:**

* **IBM Certified Rational Functional Tester in Java.**

**Professional Experience:**

**Capital One, New York, NY Mar 2019 to Present**

**Sr, Test Consultant - SDET**

**Projects:**

Working in commercial domain web application and web services testing.

**Responsibilities:**

**Project 1: Moody’s Risk Analysis**

Worked on Moody’s risk analysis web application in testing and automation.

* Developed custom data driven framework using TestNG, Selenium WebDriver with Sikuli integrated.
* Created regression functional test scripts for Moody’s web application.
* Developed test data generator using VB Macro.

**Project 2: Spreading**

Worked on next gen angular web application developed as replace of Moody’s.

Phase 1:

* Worked on testing web application and automated UI functional scenarios using protractor with cucumber gherkin framework.
* Worked on testing API scenarios using postman and automated the same with cucumber supertest mocha chai JS custom framework.

Phase 2:

* Migrated UI scenario from Protractor to Cypress Io.
* Working in developing In-Sprint test scripts using cypress.
* Develop and update API scenarios with cucumber supertest mocha chai JS library.
* Working in creating performance test script for API scenarios using JMeter.
* Involved in testing end-to-end regression test scenarios.

**Barclays, Whippany, NJ Sep 2018 to Feb 2019**

**Sr, Test Consultant** - **SDET**

**Projects:**

Worked in credit Cards division fraud detection service, which uses desktop thick client .net developed UI application as front end, interfaced through middleware soap and later transformed to restful web-services, which persists data in oracle and TSYS (Mainframe) for data synchronization.

**Responsibilities:**

* Worked on testing API services using postman and automated the same.
* Developed automation framework for Restful webservices using Rest Template and Cucumber.
* Developed In-Sprint functional test scenario in cucumber gherkin.
* Integrated automation suite in to Jenkins CI/CD pipeline.
* Involved in training functional team members for automation test scripts creation.

**Fannie Mae, Herndon, VA Apr 2016 to Aug 2018**

**Sr, Test Consultant** - **SDET**

**Projects:**

Worked on testing web application and web-services testing.

**Responsibilities:**

**Project 1: B2B - Web Services**

* Analyzed the user requirements, functional specifications, Use Case documents and created the test cases for Functional testing
* Performed testing on Web Services using **WSDL and SoapUI, have** also identified scenarios for automation.
* Developed automation framework using SoapUI with cucumber using maven.
* Created Gherkin scenario for regression testing and took care of execution.

**Project 2: PEWL (Pricing & Execution Whole Loan)**

* Performed maintenance and execution of existing automation scripts developed in Hp UFT BPT components.
* Transformed UFT scripts to cucumber gherkin scenarios.
* Created selenium automation framework with cucumber using maven.
* Performed manual testing of functional scenario and reported issues to dev.
* Developed internal and external shakeout scripts for release testing using TestNg using maven.

**Project 3:** **SMP (Servicing Market Place)**

* Analyzed the user requirements, functional specifications and Use Case documents and created the Test cases for Functional testing
* Involved in Designing Requirement Traceability Matrix to analyze changes and identify the areas of application for Regression Testing.
* Performed functional and usability testing for the angular web application.
* Developed E2E test automation framework using Selenium WebDriver implemented Page Object Model, Rest Template with cucumber gherkin using maven.
* Developed automation scripts for both UI and Restful webservices using Gherkin scenario.
* Took care of regression execution, identified the issue found and reported to dev team.
* Developed and maintained shakeout scripts for quarterly releases also took care of execution.
* Performed **Sanity testing**and**Ad-hoc testing** when required.
* Analyze and fix test script failures triggered through Jenkins CI/CD pipeline for nightly regression.

**Social Security Administration, Woodlawn Dr, MD Sep 2015 to Apr 2016**

**Sr, Test Consultant** - **SDET**

**Projects:**

Worked on **DCPS (Disability Case Processing System)** react web application developed for processing disability claims and **ORSIS-CIP** Application developed for retirement benefits in creating utility development.

**Responsibilities:**

* Created unit test cases using mocha-chai in Node.js
* Created functional test script for React web application developed using selenium-Webdriver.js
* Developed cucumber framework with keyword implementation for functional testing in Selenium-Webdriver.js to global validation team.
* Involved in training global validation team towards test script development for sprint teams.
* Updated legacy UFT functional test scripts developed for Mainframe PCOM Application using In-Built Smart Framework.
* Developed VBS utility scripts for test data comparison and DB data extraction & comparison.

**Capital One, McLean, VA Jun 2014 to Aug 2015**

**Test Consultant - SDET**

**Projects:**

Worked on mobile division in automation for next generation **iOS (5.X), iPad (2.x), Android (5.x and Wallet)** native/hybrid applications developed for capital one banking customers.

**Responsibilities:**

* Performed proof of concepts with different mobile automation tools and recommended solutions to the team.
* Performed proof of concepts for web application using Watir web driver.
* Performed cloud POC for device testing such as Sauce labs, Test droid and App Thwack.
* Designed and deployed enterprise mobile automation framework using Ruby with Cucumber, provided Appium and Calabash as multi tool support.
* Created screen object gem for mobile object identification, inspired from Watir page object gem.
* Developed test script for functional testing of iOS (iPhone, iPad) and Android applications.
* Analyze and fix test script failures for regression jobs through Jenkins.

**Cognizant Technology Solutions, Jun 2011 to May 2014**

**QA Automation Engineer**

**Clients & Projects:**

1. Worked for **Toyota Motors, Torrance CA - Claims Processing System** project to develop an application that drives the processing of warranty claims.
2. Worked for **Southern California Edison, Rosemead CA - Energy Planning Platform** application developed to create metrics based on various parameters for the client’s power and gas usage internally.
3. Worked for **Medtronic Inc - Care Link Clinician** web application developed to monitor, trigger alerts and send notification message to patients who have pacemaker implants.
4. Worked for **Johnson & Johnson, Philadelphia PA - Life Scan Consumer** and **Trident Pro Localization** projects developed to analyze patient's blood glucose readings and generate reports for patients.
5. Worked for Blue **Care Network, Southfield MI -** **Care Advance Enterprise** and **Care Advance Provider** applications developed to secure web-based personal health management solution for referral management

**Responsibilities:**

* Member of enterprise Automation Center of Excellence Team (ACOE).
* Conducted Automation Feasibility study, performed POC and implemented automated test solution for multiple clients.
* Tools implemented in multiple projects during the tenure were IBM Rational Functional Tester (RFT), HP Unified functional Tester (UFT), Selenium Web driver, Ranorex, etc.
* Have customized and used In-Bult enterprise automation framework named as Cognizant Reusable Automation Framework for Testing (Craft (Keyword data driven) and Craft-Lite (Modular Data Driven)).
* Developed and maintain automation scripts based on test cases identified for automation.
* Execute and analyze automated regression suites to ensure quality deliveries
* Performed peer code review process and provided feedback in terms of gap identified.
* Performed/coordinated with offshore team for automation regression execution during intermittent migration releases and reported results to the testing team.
* Participated in client/business team meetings and reported status to them**.**
* Coordinated on-site and offshore development teams in various phases of the project.
* Managed a team of 2 people in onsite and 6 people in offshore.

**HCL Technologies Ltd, Chennai, India Dec 2006 to May 2011**

**Client: Cisco Systems, Austin TX**

**QA Automation Engineer**

**Projects:**

1. Worked on the **Cisco Service Control Engine** **(SCE)** – An embedded appliance built for deep packet inspection and bandwidth management for service providers with network policy planning application.
2. Worked on the **Crossbow** – JIDE based client application developed for network security application configuration management.
3. Worked on the **Cisco Security Manager (CSM) –** A swing thinclient-server application that is used to centrally provision all aspects of network security device configuration and policies for Cisco firewalls (ASA), virtual private networks (VPNs), Intrusion Prevention Systems (IPS) and Catalyst Switches.
4. Worked on the **Cisco Intrusion Prevention System Sensors/Management Center** for IPS Sensors **(IPS MC) –** A web application developed to manage configuration for cisco IPS and IDS Devices.

**Responsibilities:**

* Created test plans for functional components based out of SFS (System Functional Spec) right from effort estimation for each application and performed white box testing.
* Prepared test bed setup and derived test scenario for the functional components.
* Performed regression execution for the application, logged defects and followed defect life cycle process for the reported defects using bug-tracking tools.
* Performed application installation testing manually on Windows and Solaris platforms.
* Developed automation regression scripts using Cisco inbuilt JRT (Java Regression Tool – Swing Based GUI) automation tool for the following features built for SCE Platform: - Syslog feature, TCP port no 25 blocking, configuring 2nd management port, Vas traffic forwarding, Vas Traffic mirroring, Vas HA availability, Warning login banner and Hiding IP Address in RDR.
* Developed an IPS Device simulator for crossbow application a user data driven model for scalability and performance testing with following abilities: - bulk device discovery/deployment, signature tuning, signature/sensor/license update.
* Created automation regression scripts using IBM RFT for front end CSM GUI application built on swing platform & performed API testing for the following features: - Firewall rules such as Access Rules, Inspection rules, AAA Rules, Web filter rules, Transparent Rules, MPC Rules, Translation Rules, NAT, ACL, Also IPS features such as Device discovery/deployment, signature update, sensor update and signature tuning.
* Developed Auto-it scripts for application install/uninstall and upgrade testing for windows platform.
* Created automation scripts for Smoke and Sanity testing for developer.