**SANTOSHI PEDAPATI**

**Software Development Engineer in Test (SDET)/Automation Engineer**

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Senior QA Engineer experienced in all stages of the Software Development Life Cycle for dynamic web projects. Diversified experience in Manual testing, Automation, Robotic Process Automation (RPA) and Software Development methodologies serving various domains such as Healthcare, Finance, Telecom and E-commerce.

**Summary:**

* Around 8+ years of professional experience as a QA Automation Engineer – SDET on Manual**, Automation testing of Web Client Server, Cloud (AWS**), Mobile**,** Robotic Process Automation (RPA), **API** and Webservices applications.
* Strong Experience in SDLC, Test Management and Testing Lifecycle Methodologies like Agile Models, Waterfall Model.
* Expertise in automating test cases with TAF Selenium, Cucumber, APPIUM for web applications on both mobile, desktop and database testing.
* Developed use cases, test strategy, test plans, test cases, training manuals, requirements traceability matrix documents.
* Wrote SQL Verification scripts to test the result of deployment for correct business logic for Back- End testing.
* Proven Proficiency in Automated and some Manual test Framework & customized user scripts per functions using automation tools like QuickTestPro, HP-ALM, LoadRunner, Selenium, SQA Robot, Apache, Jmeter & Robotic Process Automation (RPA).
* Expert in developing Selenium WebDriver test scripts with Java, C#, JavaScript (Angular.JS, Node.JS Typescript etc.)
* Proficiency in Structured Query Language (SQL), Joins, PL/SQL stored procedures & Triggers.
* Experience in preparing Test data by retrieving data from Relational Databases PostgreSQL, MS-SQL.
* Expert at Automated testing tools for systems, security, integration, user acceptance, positive and negative, functionality sanity and regression testing.
* Extensive ability to collaboratively work with Clients, Business Analysts, Project & Executive Management, Testers, Developers, and Important stake holders.
* Experience in Black-Box, White- Box, grey box and automation testing using Selenium- testing, Junit on web and client applications; and experience in Integrating Automation scripts (Selenium WebDriver API) on continuous integration tools Hudson/Jenkins for nightly batch run of the script.
* Proficient in automated testing tools like HP Tools (Quick Test Pro, Load Runner and Quality Center).
* Working Knowledge of editing and writing automation test scripts using Selenium, Appium and Robotium.
* Extensively worked in Unit testing, User Acceptance Testing, Integration testing, Functional Testing, Regression Testing and Performance Testing.
* Experience in understanding of Software development methods and proficient with BDD and TDD using cucumber.
* Experience in Mobile application testing in agile environment (Mobile/Tablets/Mobile Simulator).
* Experience on Service Oriented architecture (SOA) system testing practices and methodologies.
* Testing RESTful and SOAP based web services using various automation tools like SoapUI, HP Service Test.
* Customer Focus and Relationship Building including demonstrated ability to work well with business analysts, developers, management, and end users in a cross functional Agile Scrum team.
* Experience managing/working with both onshore and offshore teams at multiple locations.
* Excellent Interpersonal and Customer Relational Skills, proven communication, organizational, analytical skills, and in-built leadership qualities.

**Technical Skills:**

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| **Testing Tools** | TAF, Selenium IDE/ALM/GRID/WebDriver, QTP, JMeter, Load Runner, Mercury-Quality Center, Junit, Cucumber, Appium, Protractor, JIRA, Jasmine, TestNG. |
| **Languages** | Java, SQL, PL/SQL |
| **Web Technologies** | HTML/HTML5, DHTML, CSS/CSS3, Angular.js, Node.js, Typescript, XML, XSD, XSL, XXSLT, XPATH, AJAX, JSP, UI Path, and Bootstrap. |
| **Scripting Languages** | JavaScript, Typescript |
| **Web Service** |  RESTful, and Postman |
| **Project Management** | MS-Office Suite (Word, Excel, Access), MS- Project, MS-Visual Studio. |
| **Database** | Oracle 11g/12c, MySQL, SQL Server 2012/2015, MS Access. |
| **Operating Systems** | Windows Pro, 7/XP/2000/2008/10, Mac. |
| **Build tools** | Maven, Ant, Jenkins, Hudson.  |
| **Cloud** | Amazon Web Services (AWS), Microsoft Azure. |
| **Server** | WebLogic, WebSphere, and Unix. |
| **Methodologies** | Agile Scrum, Waterfall. |
| **Version control tools**  | Git and Bitbucket. |

**EDUCATION:** Bachelors in Electronics and Communication ENgineering, JNTU India.

**EXPERIENCE:**

**UHG/Optum, Louisville, KY Sep 2020 – Till date**

**Automation Engineer/SDET (Software Development Engineer in Test)**

UnitedHealth Group Incorporated is an American for-profit managed health care company based in Minnetonka, Minnesota. It engages in the provision of health care coverage, health care products, software, and data consultancy services. UnitedHealth also serves the health needs of older Americans, provides specialized care services, and provides health care information and research to providers and payers. The project deals with managing the records, extraction of data, grouping of data, analyzing the patient data, maintenance and tracking of Medicare, Claims, Billing and Payments.

**Responsibilities**:

* Involved in requirement gathering and headed delivery of some modules.
* Have experienced an environment where migration of data and adaption of new technology was involved.
* Actively involved in deployments and Regression testing of the application.
* Worked on a complete automation setup with protractor using Typescript language.
* Participated in presenting demos to the product owners and users and in explaining the different features and functionalities of the application.
* Majority of the work involved UI testing of the application and sometimes on the backend testing depending on the requirement.
* During my time here I have worked on different modules of the application.
* Performed cross browser functional testing using Selenium WebDriver/RC.
* Setup the automation framework using Selenium WebDriver, Java, TestNg, GitHub and Maven.
* Extensively used Selenium IDE and Selenium Web Driver along with TestNG for automation.
* Developed External Library using Java for Selenium Automation.
* Implemented and executed the test process using Agile Methodology with daily stand ups.
* Work closely with product team to identify and resolve issues
* Review Bugs listed as Resolved/Fixed (Resolved/Integrated) for latest release.
* Understood the application and developed a full understanding (end - to – end ) flow of the business.
* Experience in developing multiple test scenarios.

**Environment:** Selenium WebDriver/RC, Java, JMeter, Typescript, Agile, REST, SOAP, Firebug, SQL, PL/SQL, JavaScript, Maven, GitHub, Jenkins.

**Accident Fund Insurance company of America, Lansing, MI May 2018 – Sep 2020**

**Automation Engineer/SDET (Software Development Engineer in Test)**

Accident Fund Insurance Company of America is one of the nation’s leading workers’ compensation insurance organizations, managing risk and minimizing loss for our policyholders, creating a safer environment for their workers, and building businesses with our agent partners. All backed by the reach, knowledge and best practices of our holding company, AF Group.

**Responsibilities**:

* Involved in requirement gathering, analysis and designing Architecture phases of the project.
* Prepared Test Cases using Data Driven and Hybrid Driven Framework in WebDriver.
* Involved to create test case scenarios using Protractor framework and validate end to end testing.
* Understanding of Cucumber, Protractor used to run tests using Angular.js.
* Native events and browser specific drives used while writing tests in Protractor.
* Worked with TFS Tools for Agile systems and write our tasks in TFS and validate our scripts.
* Able to create data-driven tests using external sources and Excellent troubleshooting and problem- solving skills.
* Experience with Native, App, Hybrid application testing
* Experience on Protractor for E2E testing using Selenium and Jasmine framework.
* Run Defect Triaging and Review the Test Scenarios/ Test Cases with Business.
* Tested compatibility of application for dynamic and static content under various cross browsers using Integrated HTML ids and XPATH in Selenium.
* Worked on Cross Browser testing through Selenium WebDriver by testing the website on different browsers like Chrome, IE, and Firefox.
* Worked with Hybrid (Keyword and Data Driven) automation framework with Selenium WebDriver.
* Worked in creation, preparation of Test Cases.
* Executing the test plans on web and mobile (Apple & Android) as per requirements.
* Implemented simulator for Mobile App Testing in Android Platform using Appium.
* Performed parameterization of the automated test scripts in Selenium to check how the application performs against multiple sets of data.
* Developed the scripts based on test case by using Protractor, Visual Studio Code, Type Script.
* Involved in all the meetings in agile like sprint planning meeting, standup meeting, status meeting, review meetings, retrospective meeting.
* Working on integrating all the test cases as a scenario, so that we will run that scenario it will execute complete End2End workflow.
* Performed mouse actions using Selenium Actions API. Implemented web element locators using Selenium WebDriver by ID, Class, Name, CSS Selector, XPath, and Link.

**Environment:** Selenium Webdriver, C#. Net, Visual Studio, Java Script, Angular.js, Type Script, Angular 4/6, Entity Framework, JSON, MVC, AGILE, GIT, TFS, N-UNIT, AZURE, WSDL, Node.js, Restful API, .Net CODE, CSS, HTML5, PROTRACTOR and JASMINE.

**BB&T Bank, Greensboro, NC March 2017 - April 2018**

**Automation Engineer**

BB&Tbank is one of the most reputed trust in banking division in the country. The bank has about $250 Million worth. Has one multiple database platforms for data warehouse, transaction and reporting databases Involved in Business Requirements and Functional Specifications and develop Test Plan Detailed Test Scenarios and Test cases.

**Responsibilities**:

* Automated Functional and Regression Testing using Selenium IDE, WebDriver, JUnit, ANT, Java.
* Used Selenium WebDriver to test search results of Meta search engine.
* Experience in writing UNIX Shell-Scripts.
* Used TFS (Team Foundation Server) for defect logging and tracking.
* Involved in automating test cases using Selenium WebDriver with TestNG.
* Involved in functional testing, black box testing, negative testing, compatibility testing, and recovery testing.
* Implemented Data Driven Framework using WebDriver, JUnit, ANT, Java.
* Creating core python API which will be using among all modules.
* Experienced in White Box Testing by authoring Java Codes in Selenium WebDriver.
* Involved in documenting test cases and packaging test suites and making them available to all of engineering and QA using Quality Center and Tested Mobile App version on different smart devices.
* Written SQL scripts (PL/SQL) to query and validate the functionality in Oracle databases.
* Utilized the following testing tools: Selenium/Python, JMeter, Jira and TestRail.
* Prepared user documentation with screenshots for UAT (User Acceptance testing).

**Environment:** HP ALM, Performance Center, Selenium WebDriver, Python, TestNG, Protractor, Ant tool, JMeter, Jira, Agile, TFS, SQL, DHTML, FDA Regulations, Quality center and HTML.

**Soligenix, Inc., Princeton, NJ April 2016- February 2017**

**Automation Engineer**

Soligenix, Inc., a late-stage biopharmaceutical company, focuses on developing and commercializing products to treat rare diseases in the United States. It operates in two segments, Biotherapeutics and Vaccines/BioDefense. The Biotherapeutics segment develops SGX301, a photodynamic therapy, which is in Phase 3 clinical trial to treat cutaneous T-cell lymphoma; and SGX942, an innate defense regulator technology which is in Phase 3 clinical trial to treat oral mucositis in head and neck cancer.

**Responsibilities**:

* Involved heavily in converting Business Requirements into Functional requirements.
* Working on developing Test strategy and Test Plan for the Robotic Process Automation (Openspan Desktop automation) project.
* Developed the object and workflow for client requirement.
* Involved in Database automation & XML automation using UiPath.
* Configured Mailing services by using SMTP and POP3 Server by using Email Activity.
* Used VB.net coding in Excel for formula modifications.
* Provided Exception handling at every possible scenario for a robust error-free development.
* Worked in Agile methodology and participated in Daily Stand ups, Grooming sessions, Sprint Review meetings.
* Involved in authoring and executing the test cases for each story in the release and update the final status to the stakeholders.
* Worked on web and mobile (iOS) applications.
* Execute the regression suite batch for each release.
* Involved in supporting QA activities for each release on QA, UAT environments
* Participated in QA reviews and implementation of processes and procedures improvements.
* Responsibilities included manufacturing bulk sterile vaccines in an aseptic environment using robotic cell culture systems.
* Manufactured bulk vaccines via automated robotic and manual systems while following all divisional and departmental SOP's.
* Produced and maintained production records, in-process quality and safety checks, physical inventory and assist in developmental work pertaining to production methods.
* Acted as a key trainer for new employees on SOP's, manufacturing processes, robotic systems, manual cell counts and special laboratory equipment such as the Vi-Cell automated cell counter.
* Trained new employees in performing routine and per-process environmental monitoring testing and recording results in databases using software's like HanDEL, NG LIMS.

**Environment:** Automation/Cloud, Core java, TestNG, Agile, SQL, JavaScript, Quality center, Robotic Automation Process (RPA), HTML, SOAP UI, Oracle, user acceptance test (UAT)and PL/SQL Developer.

**Verizon, Dallas, TX April 2015 to March 2016**

**Mobile/ QA Engineer**

Verizon Business Network Services provides converged communication solutions, such as local and long-distance voice, messaging, and Internet access services. It also offers service level agreements on various Internet services, including dial and dedicated Internet access, virtual private networks, frame relay, Web hosting, and managed firewall services. In addition, the company provides network infrastructure, including network design, implementation, and customer management solutions; and data, dial, asynchronous transfer mode, digital subscriber line, and dedicated and bundled services, as well as security products.

**Responsibilities**:

* Testing a lineup of multiple Android devices such as Mobile Phones, Android TVs, and Set Top TV Boxes.
* Created test plans and test cases for Robotic functionality.
* Created and Tested different functions on the Linux platform.
* Responsible for testing the firmware on the robot and the mobile device software that communicates with it.
* Performed exploratory testing for Android, iOS, BlackBerry in order not to find out if there are any unexpected behaviors found in the application.
* Create test cases that serve as detailed specification for Google Drive features for Functional Testing, Regression Testing, and exploratory Testing.
* Test mobile application (Google Drive) on Android OS for Samsung, Nexus, Dell, HP, and Asus devices.
* Execute functional and regression testing on Android K (Android 4.x), L (Android 5.x) and M releases.
* Engaged in test plan development and iOS/Android app functional and UI testing.
* Design and development of test rigs for app-test automation using XCode/ Robotium Selenium.
* Extensive use of Android Device Monitor to capture the logs in debugging mode .
* Evaluate audio/video files and analyze metadata XML to verify conformance to specification.
* Work with broadcast engineers/technicians to rectify issues related to audio/video processing.
* Monitor audio/video transcoding, encryption, and delivery systems detect performance problems.
* Provide accurate and timely logging of issues to the bug logging system.
* Conduct exploratory testing and smoke testing on the application on need basis.
* Participate in daily scrum ( stand-ups) , agile sprint planning and weekly team meetings.
* Triage defect with development team and other team members and provide feedback to engineering team on reported bugs and expert with Test documentation, such as Test Cases, Bug Reports, Use Cases etc.
* Inserted various types of checkpoints including text checkpoints, text area checkpoints and image checkpoints.
* Designed various test Cases with different test conditions**.**

**Environment:** HP- ALM, Robotic Automation Process (RPA), Android, iOS, Google drive, Unix, Linux

**QA Engineer**

**Target Corporation, India January 2013 – March 2015**

Target Corporation operates as a general merchandise retailer in the United States. The company offers beauty and household essentials; food assortments, including perishables, dry grocery, dairy, and frozen items; and apparel, accessories, home decor products, electronics, toys, seasonal offerings, and other merchandise.

**Responsibilities**:

* Developed manual test cases to test the functionality of the application.
* Prepared Defect Report as per severity and Priority.
* Designed Test cases and executed Test cases and reported the Bugs using Quality Center.
* After successful release of projects, developed automation scripts using QTP and integrated the script with master script.
* Performed Regression Test execution based on the priority of the Test cases in Mercury Quality Center.
* Generated the Test Status Reports from Test Director and regularly presented to QA Team lead and Project team lead.
* Defect tracking with HP Quality Center and ALM.
* Performed Data Analysis and developed Data Mapping documents for ETL projects.
* Participated in Functional, GUI, Regression and Ad-hoc Testing.
* Developed Test Cases, Test Scenarios, Test Plans and Defect reports for enhancements.
* Manually checked with the results from the application execution and captured the SQL statements.
* Worked on HP Quality Center to raise and track the defects.

**Environment:** C#, Quality Center, SQL, UAT, UNIX, Oracle, MS Project, MS Office, Linux, Windows 2000/NT.