**Anil Kumar Kukkala**

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**Profile**:

Having around 14+ years of software industry experience. A software professional with proven experience in managing multiple verification and validation projects which includes **Web apps** **Automation, Cloud apps Testing, Mobile Automation, IOT Testing**, **API Automation** and **Test Automation** using **AWS Device Farm**.

**Professional Profile:**

* Strong understanding of SDLC and STLC, Certified Agile Scrum Master.
* Superior skills in Python, Java, OOPs concepts, and SQL.
* Enhanced Automation scripts using testing framework based on the **Page Object Model** for **Mobile Automation** using **Appium**.
* Experience in setting up Test environments for automation script execution using **Java**, **TestNG**, **Appium**.
* Experience in SOAP and **RESTful API Web Services** Test Automation.
* Highly skilled in Test Automation using **AWS Device Farm**.
* Performed UI and API Testing using **Cypress** Automation**.**
* Build and enhanced automated test framework using **Cypress** and **Cucumber**.
* Created cypress projects in command line, and Bit Bucket repository to manage codes
* Strong testing Quality Assurance experience within Agile environment.
* Developed and maintained an automation framework using **Appium** and for mobile testing on iOS and Android platforms.
* Experience in **RESTFULL** web services automation using Rest Assured framework java.
* Validated JSON formatted data, different http status code like 200, 201,400, 415, 500 etc.
* Great engineering practices with a focus on **TDD** and **BDD** principles and a strong focus on non-functional requirements at the beginning rather than an afterthought.
* Enhanced Test Automation scripts for mobile Testing using **Appium**
* Experience on **Cypress** for Angular Applicationend-to-end testing
* Good at core Java, **Selenium Web driver**, **JUnit**, TestNG, and Jenkins for test automation.
* Implemented **JENKINS**, for continuous integration (CI-CD) and **Git** for code check-ins.
* Performed API testing by utilizing Postman.
* Superior knowledge in enhancing Automation scripts using **Cucumber**.
* Handson Experience in validating the **ML algorithms**, Spacy Models, **NLP** and **Astra**

 Education Details:

* B. Tech in Computer Science & Information Technology in 2008 with 79% from Mahatma Gandhi Institute of Technology (affiliated to JNTU-Hyderabad), Andhra Pradesh.

* Intermediate from Bharathi Junior College, Chirala, A.P in 2003 with 96.3%.
* S.S.C from Sri Vasavi convent, Chirala, A.P in 2001 with 88%.

**Skills:**

|  |  |
| --- | --- |
| Certification | Agile Scrum Master |
| Languages:  | Java, JavaScript |
| UI Testing Tools:  |  Selenium WebDriver |
| API testing Tools:  |  Postman  |
| Databases:  |  SQL  |
| CI-CD tools:  | Jenkins,Git |
| IDE Tools:  | Eclipse, IntelliJ, Visual Studio  |
| Framework:  | Page Object Model  |
| Cloud Testing | AWS Cloud Testing |

**Professional Experience:**

**Client: Stanbic, Zelan Tech USA (Jan 2023-July 2023)**

**SDET Role:**

 **Roles & Responsibilities:**

* Strong knowledge on Java OOPs concepts and White box Testing.
* Drafting Test scenarios for maximum code coverage and Black box Testing.
* Create and review test plans, test cases, and test data; identify problems, perform root cause analysis, and execute solutions
* Develop, maintain and execute high quality automation script to ensure sufficient test coverage for web applications.
* Build and enhanced automated test framework using Cypress and Page Object Model concepts.
* Created cypress projects in command line, and Bit Bucket repository to manage codes
* Strong testing Quality Assurance CYPRESS experience within Agile environment.
* Experience in RESTFULL web services automation using Rest Assured framework java. Validated JSON formatted data, different http status code like 200, 201,400, 415, 500 etc.
* Good understanding of Agile software development lifecycle (iterative and incremental)
* Great engineering practices with a focus on TDD and BDD principles and a strong focus on non-functional requirements at the beginning rather than an afterthought.
* Supervised test estimation and approval processes.
* Created and executed test scripts to automate functional, regression, and integration tests for mobile applications.
* Collaborated with cross-functional teams to understand requirements and translate them into effective test scenarios.
* Implemented parallel test execution to improve efficiency and reduce execution time.
* Integrated mobile automation with Continuous Integration (CI) systems like Jenkins to achieve automated test runs on each build.
* Debugging the Automation Scripts and fixing in case of failures.
* Implement automated regression testing tools and processes.
* Enhancing the Code coverage tests to avoid major issues in the Releases.
* Contribute ideas to improve products and develop skills, learn new technologies and languages, and continue to learn.
* Experience writing and triaging automated software tests
* Integrate test suites and infrastructure with the CI/CD systems.
* Implemented the Mobile Automation using **Appium, Git** and integrated the scripts into **CI/CD** using **Jenkins.**
* Used **Git** for code check-ins, **Jenkins** as CI/CD tool.
* Build and enhanced automated test framework using Cypress and Page Object Model concepts.
* Monitoring the **AWS** Lambda functions for failures in the Stanbic workflow.

**Client: JPMC, USA (June 2022-Dec 2022)**

**SDET Role:**

**Roles & Responsibilities:**

* Drafting Test scenarios for maximum code coverage and Black box Testing.
* Create and review test plans, test cases, and test data; identify problems, perform root cause analysis, and execute solutions
* Debugging the Automation Scripts and fixing in case of failures.
* Implement automated regression testing tools and processes.
* Enhancing the Code coverage tests to avoid major issues in the Releases.
* Validating the extractions from the spacy models, **ML Algorithms** and **Astra**.
* Have knowledge in developing applications using Javascript and Typescript.
* Validating the **Trades finance transactions** and the **JPMC workflow.**
* Test Coriolis ESG application to get scores of different companies.
* Spinning up EC2 instances in AWS Environment for local dev Deployments using templates.
* Monitoring the AWS Lambda functions for failures in the workflow.
* Integrate the Selenium Automation Tests in the Azure pipeline.

**Client : Honeywell Sep 2015-May2022**

**Role (Senior Advanced Software Test Engineer)**

Honeywell is a leading manufacturer of Enterprise Handhelds which are managed by the third-party software Air Watch.

**Projects: Staging Hub, Enterprise Provisioner, VM3, OEM Config, OPIntel**

Automated the Enterprise Provisioner Application using **Java**, **TestNG**, **Git**, **Selenium** **WebDriver** and **Appium** to run scripts on Honeywell Mobile Device using **AWS Device Farm** to run Selenium tests in parallel in Chrome Browser that are hosted in Cloud and also to run on physical fleet of devices.

**Responsibilities:**

* Executing Test Scripts for Enterprise Provisioner application and debugging in case of failures.
* Used **AWS Device Farm** to run Selenium tests in parallel **in** Chrome Browser that are hosted in Cloud.
* Performed Cloud Testing of OPIntel application using **Postman.**
* Used **AWS Device Farm** to run tests in parallel in physical fleet of devices and pull the reports and sharing to all stakeholders**.**
* Certifying Honeywell MDM tools namely Staging Hub and Enterprise Provisioner and release to customers for different Windows OS versions.
* Preparing Test plan, Executing Regression Test, and reporting the issues in JIRA.
* Created and executed test scripts to automate functional, regression, and integration tests for mobile applications.
* Collaborated with cross-functional teams to understand requirements and translate them into effective test scenarios.
* Implemented parallel test execution to improve efficiency and reduce execution time.
* Conducted code reviews, mentored team members, and provided guidance on best practices for mobile automation.
* Worked closely with QA and development teams to identify and report defects and follow up on issue resolutions.
* Develop, maintain and execute high quality automation script to ensure sufficient test coverage for web applications.
* Strong testing Quality Assurance experience within Agile environment
* Good understanding of Agile software development lifecycle (iterative and incremental)
* Developed framework from the scratch for using Appium,SeleniumWebDriver to automate UI and used JavaScript, NodeJS and NPM for React-Native based user interface.
* Great engineering practices with a focus on TDD and BDD principles and a strong focus on non-functional requirements at the beginning rather than an afterthought.
* Supervised test estimation and approval processes.
* Implemented mobile test automation using Appium, resulting in a 50% reduction in manual testing effort.
* Experience in RESTFULL web services automation using Rest Assured framework java. Validated JSON formatted data, different http status code like 200, 201,400, 415, 500 etc.
* Good understanding of Agile software development lifecycle (iterative and incremental)
* Great engineering practices with a focus on TDD and BDD principles and a strong focus on non-functional requirements at the beginning rather than an afterthought.
* Supervised test estimation and approval processes.
* Created and executed test scripts to automate functional, regression, and integration tests for mobile applications.
* Collaborated with cross-functional teams to understand requirements and translate them into effective test scenarios.
* Implemented parallel test execution to improve efficiency and reduce execution time.
* Integrated mobile automation with Continuous Integration (CI) systems like Jenkins to achieve automated test runs on each build.

**Client: Cipher Cloud Jan 2015-Aug 2015**

**Role (Senior Software Engineer QA)**

Automated modules in the Service Now application for Cipher cloud workflow using Page Object Model, Selenium WebDriver and TestNG

**Responsibilities:**

* My role is to automate the service-now application using Selenium WebDriver and Java which includes functionality of different modules.
* Preparing Test plan and providing estimations for regression cycles.
* Install the builds in Linux platform.
* Performing Regression Tests and System Tests for the Internal Releases.
* Implementing acceptance tests using Appium & Java
* Great engineering practices with a focus on TDD and BDD principles and a strong focus on non-functional requirements at the beginning rather than an afterthought.
* Supervised test estimation and approval processes.
* Developed automation test framework for manual QA team using java, Appium 1.6.5-beta, InelliJ, Maven.
* Created and executed test scripts to automate functional, regression, and integration tests for mobile applications.
* Collaborated with cross-functional teams to understand requirements and translate them into effective test scenarios.
* Implemented parallel test execution to improve efficiency and reduce execution time.
* Integrated mobile automation with Continuous Integration (CI) systems like Jenkins to achieve automated test runs on each build.

**Client: Citi Bank July 2011-Jan 2015**

**Project: Mobile Web**

 Automated the Test Applications using Java and Selenium WebDriver to certify the Kony Plugins.

**Responsibilities:**

* Setting up the environment for selenium automation in new machines and running the scripts during monthly releases.
* Developing mobile applications using Java Script to test Kony Platform.

Setting up Test Environment for automation script execution using Java, TestNG, **Hi Anil,**

* Developed and maintained an automation framework using Appium and WebDriverIO for mobile testing for Android platforms.
* Debugging Appium Test scripts in case of failures.
* Developing applications using JavaScript to certify the Kony Plugins.
* Troubleshoot and resolve field-oriented mobile device problems related to Applications.
* Created and documented reports, rules, trends and Dashboard.
* Designing/implementing/maintaining automation using Selenium Web Driver, Junit, JAVA and Gradle
* Maintain and implementing automation framework.
* Developing RESTful APIs using JAX-RS (Jersey) and develop CURD operation.
* We run Jenkins job every day for regression and make sure there is not issue with QA Web-site
* Develop, maintain and execute high quality automation script to ensure sufficient test coverage for web applications.
* Strong testing Quality Assurance experience within Agile environment
* Good understanding of Agile software development lifecycle (iterative and incremental)
* Great engineering practices with a focus on TDD and BDD principles and a strong focus on non-functional requirements at the beginning rather than an afterthought.
* Supervised test estimation and approval processes.

**Client: Boss Media Aug 2008-June 2011**

**Project: Casino, Poker**

Used SQL and PL/SQL procedures to assign roles to Users in the Prod environment.

**Responsibilities**

* Developing and Executing Xml Automation Scripts.
* Debugging the Xml Automation scripts (Project-based Automation tool).
* Querying the Database and Providing Roles to Users through SQL queries.
* Creating pl/sql procedures to run in production for assigning roles to users.