Seema Kodihalli Balachandra

ISEB/ISTQB Certified Tester

Certified Agile Tester (CAT)

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Eligible to work in the UK - ILR (Permanent Residence) and SC and BPSS cleared

### **Career Summary**

* Automation Test Lead with 12+ years of experience in automation and manual testing. (Functional and non-functional)
* Currently working as **Automation Test Lead – Care Quality Commission, Newcastle**.
* Worked as –automation test specialist in **DWP - Digital, Newcastle Upon Tyne, UK**
* Worked as – automation test specialist, developer in test - **Accenture HMRC (DDCN and NPS).**
* Worked as Senior QA analyst at Ness Technologies and Art.com Bangalore, India and San Francisco USA.
* Worked in various government digital transformation program and was part of many pilot projects to setup the process.
* Experience in setting up the QA processes, best practices and team to in-line with agile methodology.
* Highly experienced in creating test automation frameworks, pipelines etc. using cutting edge technologies.
* Experienced in engaging with stakeholder and user to carryout user research and case studies.
* Experience in and knowledge testing application as per GDS standard.
* Hands on experience in working with micro-service architecture using docker.
* Experience in setting up non functional test processes, frameworks for load, performance, accessibility, security.
* Experience in setting up JMeter and dashboard using Grafana, Influx DB.
* Highly experienced in working with API testing using Postman and cucumber.
* Highly experienced in Agile scrum, BDD, TDD and Waterfall development methodologies.
* Highly experienced in creating cucumber acceptance test frameworks using page object model utilizing - Cucumber Gherkin, Selenium WebDriver, Scala / Java Programming, Spec-Flow C#, Java Script- WebdriverIO, Protractor.
* Well experienced in creating accessibility frameworks for digital application using axe-core and wave.
* Highly experienced in using accessibility tools like Dragon, ZoomText, NVDA, Color Contrast, Wave for accessibility testing.
* Highly experience in creating performance test scripts using Gatling and JMeter for citizen facing applications, successfully conducted load, soak, stress, disaster and recovery testing using 1 million customers.
* Experience in using analytics and monitoring tools such as CloudWatch, Splunk, Kibana, Nagios.
* Hands on experience in using various IDE’s including IntelliJ, Eclipse IDE, VSCode, Visual Studio, ATOM, in MAC, Ubuntu, Linux, Virtual Box, VMware, Windows.
* Experience in setting up and executing end-to-end automated test scripts in Azure devops, Gitlab CI Pipeline, Jenkins and on local machine using Docker container, Full-Stack.
* Experience in executing Cucumber acceptance tests on Browser Stack for compatibility testing.
* Hands on experience in continuous integration using GitHub, Jenkins with TDD, BDD approach.
* Work experience in penetration/security testing using ZAP, Burp Suite, NMap.
* Hands on experience in continuous integration using GitHub, Jenkins with TDD, BDD approach.
* Experience in writing effective SQL queries on Oracle 10g/9i and SQL Server 2008, 2005 using TOAD, Oracle SQL Developer, SQL\*Plus. Experience in using MongoDB NoSQL, Postgress.
* Well experienced in design & implementation of test strategy, test plan, test conditions and hands on experience in developing functional test scripts, defect reports, requirements traceability matrix (RTM), efforts estimation, impact analysis etc.
* Hands on experience in managing / mentoring a team of junior QA Analysts
* Experience and knowledge using JIRA, Confluence, Slack, HP ALM Quality Center 12, Bugzilla, Star Team, Test Link, Green Hopper.

**Skill Matrix**

|  |  |  |
| --- | --- | --- |
| **Skill Name** | **Proficiency Level** | **Years of Experience** |
| **QA process:** Setting up QA processes, best practices, setting up the development team to work well in Agile and cross team collaboration | Proficient | 3+ |
| **Test automation:** Setting up functional test automation framework  Cucumber – Java – BDD (Junit, TestNg)  WebdriverIO – Javascript – BDD  Specflow – C# - TDD and BDD (Xunit, Nuint)  Cucumber – Scala - BDD  Integrating with Browser-stack  Gitlap pipeline  Azuredevops pipeline  Jenkins pipeline | Expert | 6+ |
| **Load/Performance test:**  Setting up, mentor and test using  JMeter, Gatling, LoadRunner | Expert | 6+ |
| **Accessibility:**  Adding accessibility engines (Axe or Wave) to pipeline and report accessibility issues  **Assistive technologies**: Dragon, ZoomText, Color Contrast(CCA), Voiceover, Screen Reader, NVDA | Proficient | 4+ |
| **Penetration testing:**  ZAP, BurpSuite, OWASP top 10 guidelines | Proficient | 4+ |
| **Other Blackbox testing**:  Exploratory, Integration, SIT, Compatibility, Regression, Retesting, Acceptance testing | Expert | 10+ |
| **Development methodologies**:  Agile scrum, Kanban, Waterfall | Expert | 12+ |
| **User Stories/Documentation/Tools**:  Jira, Confluence, OneDrive, Google Docs, Github, Azure Devops | Expert | 10+ |
| **Test management/design:** Design & Development of Test strategy, Test plan, Test Estimation, Requirement Traceability Matrix (RTM), Test cases, Test Data Preparation, Test Scripting, Test Documentation, Test Harness | Expert | 10+ |
| **Database & SQL:**  MongoDB, Oracle 10g, SQL Server 2008, 2005, TOAD, Oracle SQL Developer, SQL\*Plus |  | 6+ |
| **Programming language:**  Scala, JAVA, C, C#, HTML, VB Script | Proficient | 7+ |
| **Operating system:** Windows, UNIX, Ubuntu LINUX, Mac OS & iOS, Docker | Highly proficient | 10+ |
| **Other tools:** POSTMAN, SOAPUI, XML, Oracle Virtual Box, VMware, Firebug, Web development tool | Proficient | 5+ |

**Work Experience:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Organization** | **From Year** | **Till** | **Role** |
| Care Quality Commission | March 2019 | Till date | Automation test lead |
| Accenture | September 2018 | Feb 2019 | Automation Test Lead |
| DWP | November 2015  November 2016 | Till November 2016  21 September 2018 | Contractor – Senior automation test analyst  Permanent – Automation test specialist |
| Accenture | March 2015 | Nov 2015 | Automation Engineer |
| Relocated to UK from India and On maternity break | Nov 2011 to March 2015 | - | - |
| Ness Technologies Pvt Ltd. | July 2010 | September 2011 | Senior QA Engineer |
| Logix Microsystems Pvt Ltd | June 2006 | June 2010 | QA Engineer |

**Care Quality Commission, Newcastle Upon Tyne, UK** – A**utomation Test Lead** from **March 2019** **to till date**

*Responsibilities:*

* + Setting up QA process, best practices, team, functional and non functional test automation
  + Quality assurance and helping to develop test scripts/code review
  + Setting up pipeline using azure devops.
  + Creating test scripts to test REST and SOAP API’s, execute them using POSTMAN.
  + Browser stack integration.
  + Executing cucumber acceptance tests on browser stack for compatibility and analyzing the report.
  + Conducting accessibility testing using Wave tool.
  + Responsible for regression, exploratory, and ad-hoc and End to End testing wherever required.
  + Defect and Sprint backlog management using Jira.
  + Conducting Penetration Testing using Zap security testing tool.
  + Coordinating accessibility auditing.
  + Conducting performance testing using JMeter.
  + Responsible for non-functional test requirements and testing.
  + Creating test data and executing end to end testing on different environments.
  + Involved in backlog prioritization meeting, retrospective, product show and tell, daily stand-up and all other project related meetings.

**Accenture, Newcastle Upon Tyne, UK** – A**utomation Test Lead** from **September 2018** **to Feb 2019**

Client: HMRC

*Responsibilities:*

* + Responsible for developing Gherkin feature files using cucumber, creating acceptance test scripts using Selenium WebDriver, Java programming with page object model framework in BDD and TDD.
  + Responsible for creating automation test scripts for API’s using cucumber, Selenium.
  + Creating test scripts to test REST and SOAP API’s, execute them using POSTMAN.
  + Responsible for continuous integration using GitHub and Jenkins.
  + Executing acceptance tests using cucumber acceptance scripts on multiple environments using Jenkins and providing test results.
  + Executing cucumber acceptance tests on browser stack for compatibility and analyzing the report.
  + Conducting accessibility testing using Wave tool.
  + Responsible for regression, exploratory, and ad-hoc and End to End testing wherever required.
  + Defect and Sprint backlog management using Jira.
  + Conducting Penetration Testing using Zap security testing tool.
  + Responsible for conducting accessibility testing.
  + Conducting performance testing using Jmeter.
  + Responsible for non-functional test requirements and testing.
  + Creating test data and executing end to end testing on different environments.
  + Involved in backlog prioritization meeting, retrospective, product show and tell, daily stand-up and all other project related meetings.
  + Peer- programming with developers in creating unit test cases.
  + Participated in various user testing sessions and provided inputs and hints as a user.
  + Expert in using test environment set up in AWS.

**Department of work and Pensions, Newcastle Upon Tyne, UK** – Contractor, senior a**utomation Specialist** from

**November 2015** **to till date**

***Responsibilities:***

* + Responsible for developing Gherkin feature files using cucumber, creating acceptance test scripts using Selenium WebDriver, Scala / Java programming with page object model framework in BDD and TDD.
  + Responsible for continuous integration using GitHub and Jenkins.
  + Executing acceptance tests using cucumber acceptance scripts on multiple environments using Jenkins and providing test results.
  + Executing cucumber acceptance tests on browser stack for compatibility and analyzing the report.
  + Responsible for regression, exploratory, and ISIT and End to End testing wherever required.
  + Defect and Sprint backlog management using Jira.
  + Conducting Penetration Testing using Zap security testing tool.
  + Responsible for conducting accessibility testing.
  + Conducting performance testing using Jmeter.
  + Responsible for non-functional test requirements and testing.
  + Involved in backlog prioritization meeting, retrospective, product show and tell, daily stand-up and all other project related meetings.
  + Peer- programming with developers in creating unit test cases.
  + Participated in various user testing sessions and provided inputs and hints as a user.
  + Expert in using test environment set up with Ubuntu Linux on Oracle Virtual Box.

**Accenture, Newcastle Upon Tyne, UK** - **Automation Test Analyst** from **March 2015** **to Nov 2015**

Client: HM Revenue and Customs (HMRC)

*Responsibilities:*

* + Responsible for developing Gherkin feature files using cucumber, creating acceptance test scripts using Selenium WebDriver, Scala / Java programming with page object model framework in BDD and TDD.
  + Responsible for continuous integration using GitHub and Jenkins.
  + Executing acceptance tests using cucumber acceptance scripts on multiple environments using Jenkins and providing test results.
  + Executing cucumber acceptance tests on browser stack for compatibility and analyzing the report.
  + Conducting accessibility testing using Wave tool.
  + Responsible for regression, exploratory, and ad-hoc and End to End testing wherever required.
  + Defect and Sprint backlog management using Jira.
  + Conducting Penetration Testing using Zap security testing tool.
  + Conducting performance testing using Gatling.
  + Creating test data and executing end to end testing on different environments.
  + Involved in backlog prioritization meeting, retrospective, product show and tell, daily stand-up and all other project related meetings.
  + Peer- programming with developers in creating unit test cases.
  + Participated in various user testing sessions and provided inputs and hints as a user.

Ness Technologies Pvt. Ltd. Bangalore, INDIA - Senior QA Engineer from July 2010 to Sept 2011

Client: Art.com (Ness-Art.com), a “one-stop-shop”, AllPosters.com and Art.com is the world’s largest online retailer of wall decor, with over 1 million items including posters, prints, and specialty items.

Websites: www.art.com, [www.allposters.com](http://www.allposters.com) (25 domains in different zones), www.condenaststore.com and www.artistrising.com

Project environment: ASP.NET, AJAX, JSON, JQuery, CSS, HTML, MySQL, SQL Server 2005, Oracle SOA, Citrix.

Location: Emeryville, California, USA and Bangalore India.

***Responsibilities:***

* + Responsible for functional, system, database, browser compatibility & UI and UAT, regression, confirmation, load, stress testing using agile scrum and waterfall methodology in accordance with project requirements and functionality.
  + Created test plan, designed and executed test cases manually, identified and tracked defects, generated and submitted test reports.
  + Created and reviewed test cases, pre-condition, pre requisite, test execution steps and post condition to user stories using HP Quality Center and Jira etc.
  + Involved in Customizing jira and installing GreenHopper plugin for agile process.
  + Connecting remote systems to conduct testing using VMware.
  + Testing Payment gateways and refunds, affiliate web sites, content management system, SEO and SEM (Search engine optimization and marketing), GA tracking and pixel tracking.
  + Report and track defects in HP Quality Center 10, Jira and retest them upon fix.
  + Used ANT to build and run the Selenium automation framework. Once the script got over, framework used to send the automation reports over email.
  + Involved in project release activities.
  + Active participant in client meetings and discussions.

Logix Microsystems Private Ltd. Bangalore, INDIA - Test Engineer from June 2006 to June 2010

Client: izmocars.com automotive retail and dealer solutions provider in USA

Project environment: Java, JSP, spring, Hibernate, XML, SoapUI, MySQL, Win XP, Linux, User agents, Blackberry, Motorola, Nokia, Samsung, IPhone mobile devices.

Project type: Web Based Application

***Responsibilities:***

* + Review of the User Stories, Business User Scenario.
  + Representing the Test Team on the Daily stand up, Backlog Management, Sprint planning meeting
  + Providing inputs to the Risk log, Issue log
  + Execution of the Test scripts for the Integration and functional Testing using HP Quality Center 10.
  + Reporting and tracking of Defects or issues using HP Quality Center 10
  + Validated testes by crosschecking data in backend on SQL server using SQL Queries.
  + Responsible for certifying production defect fixes during weekends and late nights.
  + Involved in interacting with client and preparation of daily status report.
  + Involved in tool evaluation of JMeter and Test link and effectively introduced in the project.
  + Preparing test scenario and test script using Jmeter for load and stress testing.
  + Involved in training and KT (knowledge transfer) session to team members.

Education

M.Sc. – Master of Science in Computer Science from Mangalore University, Karnataka, India. – *Passed with Distinction*

**Training undertaken:**

1. Penetration testing and ethical hacking using Burp Suite.
2. Scala and Java programming.
3. Java script and Nodejs.
4. AWS – Basics
5. Accessibility testing techniques and tools using Dragon, Screen Reader, ZoomText.