

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, NUnit) Cucumber – Scala - BDD Integrating with Browser-stack Gitlab 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 – Automation 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 – Automation 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 automation 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 (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.