

KARTHIKEYAN RAJENDRAN

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PROFESSIONAL SUMMARY

Aristotle once said, "**Quality is not an act, it is a habit**" – Habit is what drives any business. Quality always plays a crucial role and is a big issue and also it's decides the success (or) failure of any business.

As rightly said by Aristotle "**Quality is a Habit, it's not an act**". Therefore providing a quality product (or) service once is not enough an organisation should follow standard quality practices and deliver quality products (or) services consistently. And I am the one who assure the quality will take place throughout the SDLC.

I am highly competent and results oriented QA person and mentor my team to implement customer centric approach which gives great result.

Currently, I am a **Test Automation Engineer** with 5+ years of experience in Software Testing at Ameex Technologies Pvt. Ltd. Chennai.

My specialities include: **Automation Testing, Agile Testing, Manual Testing, Selenium Webdriver, Cucumber JVM, BDD, Continuous Testing, Agile Development, DevOps, Waterfall Development, REST API Testing, Test Pyramid, CMMI IQA Audit, A/B Testing, Mentoring, Scrum Methodology, Responsive Web Design, SDLC, STLC, Data-Driven Framework, Hybrid Framework and Page Object Model Design.**

WORK EXPERIENCE

Test Engineer 08/2016 - present
Ameex Technologies Pvt Ltd, Chennai, India

- Analyse and evaluate existing test automation framework and tool.
- Develop manual and automation test plan and strategy.
- Write unit, integration and scenario based test cases and script.
- Conduct smoke, functional, regression and end-to-end testing to ensure the application fitness.
- Actively participate in the three-amgios meeting for clear picture on the customer requirements.
- Analyze, debug and report application defects.
- Collaborate with on-shore technical team on daily basis.
- Working in test driven development(TDD), behavioral driven development(BDD), acceptance test driven development(ATDD) software development processes.
- Perform client-side performance testing to ensure the page load time of the responsive web

WORK EXPERIENCE

application.

- Handling source control systems like Git in test script maintenance.
- Handling scrum and water-fall based team.
- Perform the mentor of the QA team and enable the mentee's to achieve the quality goals consistency.
- Knowledge in the application server like Apache tomcat.
- Coordinated meetings between Design, Development, Testing, Production and User teams for delivery of business critical functionalities.
- Was responsible for preparing test summary reports, test cases and test scenarios.
- Writing and executing test cases based on the provided specification and design docs.Design and develop test automation framework for responsive web application.

Test Automation Architect

Nov'2016 - Apr'2017

Role:

I acted as a Test Automation Architect role in the Mead Johnson Nutrition formula products project. In that role, I design, build, test and deploy effective test automation based on the POM with Data Driven design Approach. Closely working with clients, analysts, programmers, and team members to create effective test automation scenario based on the test effort.

Responsibilities:

- Preparing test automation plan, feasibility document, effort estimation document and test automation mapping document.
- Create effective test framework based on the POM with Data Driven design approach.
- Coordinates and facilitates test automation planning, design, and execution sessions.
- Constantly evaluates test automation strategy and approach to identify areas of improvement.
- Compiles test results data, prepares and reports test results both formally and informally.
- Communicates results information to development team and managers.
- Trains and mentors internal team members to understand Test Automation Framework, Tools and Strategies.

Problem Overview:

The MJN project has lots of multilingual sites. So, we're unable to kept objects in the properties text file

WORK EXPERIENCE

because it doesn't accept superstring text. The main goal of the MJN sites is mom's enrollment. So, we must ensure that each and every code pushes don't affect the enrollment flow. We had facebook and twitter integration in enrollment and login pages. These feature common for all other sites with small changes.

Action:

1. Create test automation framework based on the POM with Data Driven design approach
2. Separately create class for selenium commands.
3. Achieve the Data – Parameterization.
4. Setup automatic generate mail for both pass and fail status.
5. Create effective html report based extent report API.
6. Create object repository in excel instead of text file.

Result:

For the above action, we overcome the mentioned problems. From this test automation framework, we reduce 60% time of defining frameworks, methodologies, strategies, and approaches for remaining sites.

Test Automation Maintenance Aug'2016 - Oct'2016

Role:

I acted as a Test Automation Maintenance role in the GA-Advisor project. Previous test framework was designed based on the Page Object Model(POM) and page factory framework design. Because of this, we were facing lots of problems at the time of script maintenance work.

Responsibilities:

- Preparing detailed test report and shared the report with Project Manager and Stakeholders on daily basis.
- Doing Client Side Performance Testing on the various viewports on daily basis.
- Attending daily status meeting.
- Mentoring team mates.

Problem Overview:

Previous test automation framework of GA-Advisor had problems with test execution timing, difficult to finding scripts error.

Action:

1. Remove Thread.sleep method from the previous script and implement explicit wait.
2. Build smarter waits into previous code. Rather than just waiting 60 seconds for an object that may only take 5 to display. If the object appears, move on. If not, script will throw user defined exception and continue the process.
3. Review previous script startup and teardown function. Do they really need to run for every test case or just at the beginning and end of an automation suite.
4. Build in proper error handling so that scripts will continue to run around the clock unattended. A test case failure shouldn't cause your entire suite

WORK EXPERIENCE

to stop running.

5. Create independent object repository file and combine all selenium webdriver commands in one separate class which names as GenericWrapper.
6. Create methods with realistic names.
7. Pass UI elements as arguments to the test methods.
8. Create user defined exception.
9. Implement logs in the test framework.

Result:

For the above action. Resulted in the reduction of 5% of script execution time and test script becomes less and optimized. Using log easily track and resolve the errors. From this test automation maintenance work became easier one.

Test Lead 12/2015 – 04/2016 Tata Consultancy Services, Chennai, India

Team Lead with five months of experience in Software Testing. Expertise in Selenium automation using Selenium WebDriver, Selenium Grid, JAVA, JUnit & Maven. Designed and implemented different automation frameworks from starch like Page Objects framework, Keyword Driven framework, Data Driven framework and Hybrid framework for a number of projects. Took ownership of automation and led the automation team by mentoring the team as required.

- To coordinate and supervise the work of the Team Member in the Client Place.
- Validating the Test case / Test data prepared by Team members and shared review comments.
- Handling smoke testing before moving to Testing server.
- Handling sanity testing before moving to UAT server.
- Assigning task to Team members.
- Preparing Defect tracker and shared with development team on daily basis.
- Tracking the project execution status and provided daily report to higher management.
- Preparing defect tracker for severity issues and shared with higher management on weekly basis.
- Participating customer review meeting on weekly basis.

Test Analyst 02/2012 – 11/2015 CMC Ltd, Chennai, India

Automation Test Analyst Feb'2014 - Nov'2015

A highly competent and results oriented **Automation Test Analyst** with 2+ years of experience in Selenium Automation, Training, Client facing. Proven ability in Selenium WebDriver Automated testing & Frameworks, Page Objects & Hybrid Frameworks, TDD, BDD, Web testing, Functional testing, Database testing. Excellent experience in each phase of Test Life Cycle, Test strategies & Test plans, UAT. Solid experience of Software Development Life Cycles, Selenium WebDriver, Selenium Grid, Git, GitHub, JAVA, JUnit, Web Applications, TestNG, Maven, SQL, AGILE Methodologies, Scrum, Insurance/ERP, Automation & Testing tools.

- Excellent experience in automation of Web-based applications.

WORK EXPERIENCE

- Proven ability in writing JAVA, JUnit, TestNG projects automation.
- Solid experience of Waterfall Methodologies and Testing processes.
- Solid experience of AGILE Methodologies, AGILE Manifesto and Scrum processes.
- Excellent experience of Selenium WebDriver automation tool Java Script language Proven skills in SQL, RDBMS and Oracle Database and MySQL Database.
- Expertise in writing SQL Queries, SQL Scripts and performing Database testing.
- Proven skills in Leading and training teams, Test Management and Meeting the deadlines
- Strong communication & interaction with Clients, Developers, Business Analysts, Management.
- Strong experience of Insurance and ERP domains.
- Proven ability in Working individually or as a part of team, Problem solving, Process improvement activities, Analytical skills, Reporting and Assisting to Manager.

Manual Test Analyst

Feb'2012 - Jan'2014

Proficient in **Manual Testing** with 2 Years of experience includes Test Case design & Execution and Status Reporting. Good experience in System Integration Testing in Software application involves Insurance domain. Comfortable testing experiences on software development projects implemented in Verification and Validation-Model.

- Understanding Requirement Specifications and Design Documents.
- Testing the UI (Look and Feel) and DB (Database) areas.
- Performing Re-testing, Regression testing.
- Preparing Manual test cases and executing the test cases manually.
- Reporting defects using defect tracking tool.
- Documenting the test cases.
- Analyzing and classifying Bugs.
- Customer Support during UAT.
- To coordinate and supervise the work of the Team Member in the Client Place.
- Arrange Insurance and Application training to the Team Members.
- Tracking the issues generated in the client place.
- Coordinate with core team members to resolve the issues on time and deliver it properly.
- Tracking and communicate with the customer to closing the issue.
- Tracking the support provided certificate from the customers.
- Schedule all internal and external team calls and meetings.

EDUCATION

Bachelor of Technology (IT) 07/2007 – 05/2011
Kalasalingam University, Krishnankoil, India

www.kalasalingam.ac.in

Computer Science 06/2000 – 03/2007
NAAM.Hr.Sec.School, Rajapalayam, India

SKILLS

Requirement Analysis
Test Plan
Test Cases Preparation
Test Cases Execution
Bug Report and Re-Test
Test Closure Activities



Web Application
Mobile Web Application



Selenium
Cucumber JVM
Git Hub
Jenkins
Jmeter
Blazemeter
Robot Framework



Core Java



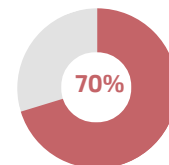
Framework Creation
Feasibility Analysis
Automation Scope
Identification
Script Development & Execution
Report Generation
Mentoring Team
TDD
BDD
ATDD
Test Pyramid



SOFTWARE DEVELOPMENT MODEL



Agile

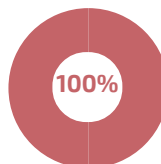


Devops

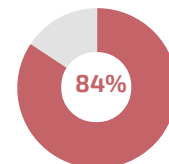


Waterfall Model

LANGUAGES



Tamil



English

HOBBIES



Posting Testing
Related Articles



Team Sports



Hearing Pleasant
Music

HOBBIES



Enhance
Knowledge on
New Thinks



Playing Cricket
With Friends



Participate
Workshops and
Conference

CERTIFICATIONS

Agile Scrum Master Certificate 09/2015
EXIN your ICT competence partner
[License 5469377.20445909](#)

Kameleoon's A/B testing Certification 08/2017
Kameleoon
[License 769010](#)

Scrum Fundamentals Certified 09/2017
SCRUMstudy - Accreditation Body for Scrum and Agile
[License 592002](#)

AWARDS

Star of the Month 05/2013
CMC LTD

We released two crucial products in the financial year of 2012-2013 with less number of issues which was raised in both UAT and Pre-Prod environment. On the production date myself and my team members proactively provided support for customers. Customers sent very good appreciation mail to my project manager and delivery head about our performance and dedication. I was nominated by manager and delivery head for the Star of the month employee award and finally I got "Star of the Month - May 2013" award.

COGNITIVE TRAITS

Attention Duration 100%

Processing Consistency 92%

Attention Control 84%

Planning Speed 77%

SOCIAL TRAITS

Risk Preference for High Risks 100%

Fairness 100%

Risk Preference for Medium Risks 96%

Risk Preference for Low Risks 95%

Risk Preference for Ambiguous Risks 78%

EMOTIONAL TRAITS

Effort for High Reward 79%

Effort for Low Reward 72%

Emotion Identification from Faces 63%

★ STRENGTHS

Team Player

Result Oriented

Respect on Colleagues

Well Planing

Exploring On New Skills

Sharing Knowledge

Analysing on Failure

Belief

↗ IMPROVING SKILLS

Selenium Webdriver 06/2016 – 07/2016
Testleaf, Chennai, India

Introduction to Jmeter 09/2017 – 09/2017
Blazemeter Academey, Chennai, India

Communication Skill 05/2017 – 07/2017
Kings Learnings, Chennai, India

✍ ARTICLES

Avoid Pitfalls In Test Automation
Ameex Technologies Pvt Ltd