Karthikeyan Rajendran

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# Address

Plot No. 42A Balammal Nagar Main Road, Ullagaram  
Chennai  
600091  
India

# HEADLINE

I help the team, one who wants to build the robust test automation framework in the Selenium integrated with Cucumber in Java.

# EXECUTIVE SUMMARY

* Highly capable Test Automation Engineer with exceptional 6-years record in delivering high-impact and strategically significant projects with excellent client feedback
* Talented test automation engineer with experience in creating test automation framework based on Page Object Model(POM), Behaviour Driven Development(BDD) and also have an experience in test automation framework integration with DevOps pipeline
* Comprehensive background in Software Testing, Manual and Automation Testing, Mentor, Article Writer, Agile Testing, Continuous Testing, Client-Side Performance Testing, Internal Quality Auditing
* Outstanding success in building test automation framework with customer and internal organisation
* Proven record for implementing customer centric approach in QA environment
* Experience in presenting thoughtful ideas in internal organisation workshops
* Exceptional leadership skills, strong in driving change and capable of working round-the-clock to meet organisational objectives
* Perform the mentor of the QA team and enable the mentee's to achieve the quality goals consistency
* Implemented 40% automation in whole manual test cases for all running projects. We are in the roadmap to achieve 60-70% automation in whole manual test cases for upcoming projects

# TECHNICAL SKILLS

## Software Testing

Requirement Analysis ■■■■■

Test Plan ■■■■■

Test Cases Preparation ■■■■■

Test Cases Execution ■■■■■

Bug Report and Re-Test ■■■■■

Test Closure Activities ■■■■■

## Programming Languages

Core Java ■■■■■

## Test Automation Tools

Selenium Webdriver ■■■■■

Cucumber JVM ■■■■■

TestNG ■■■■■

Apache POI ■■■■■

Apache Tomcat Server ■■■■■

Extent HTML Report ■■■■■

GitHub ■■■■■

Bitbucket ■■■■■

JIRA ■■■■□

## Test Automation

Test Automation Framework Creation ■■■■■

Feasibility Analysis ■■■■■

Automation Scope Idendification ■■■■■

Script Development & Execution ■■■■■

Report Generation ■■■■■

## Agile Testing

BDD ■■■■■

ATDD ■■■■□

Test Pyramid ■■■■■

## Application

Web Application ■■■■■

Mobile Web Application ■■■■■

Responsive Web Application ■■■■■

Ecommerce ■■■■■

Insurance ■■■■□

BFSI ■■■■□

## Software Development Model

Agile ■■■■■

DevOps ■■■■□

Waterfall ■■■■■

## website Optimization Techniques

Client-Side Performance ■■■■□

A/B Testing ■■■□□

## DevOps Process

Continuous Testing ■■■■□

Jenkins ■■■■■

Maven ■■■■■

Docker ■■■■□

# KEY SKILLS

* Leadership
* Teamwork
* Mentor
* Article Writer
* Public Speaker

# PROFESSIONAL EXPERIENCE

## Ameex Technologies Pvt Ltd ▪ Chennai ▪ India

### SDET

01/2018 – present

Problem Overview:

To achieve customer feedback on Web Optimisation and Quick To Live using DevOps approach

Action Taken:

* Sync up all the non-prod (Dev, Testing, Regression) environments with Production environment in regular basis (14 days once)
* Created Automation Delivery pipeline without any manual intervention
* Automated Business Critical Scenarios Test-cases and integrated with Jenkins

Significant Highlights:

* After implementing DevOps, delivered quality products on time to market
* Increased stability and reliability in operational environment
* Improved the collaboration between the team
* Production releases are reduced from Bi-Weekly to 4 releases per day

## Ameex Technologies Pvt Ltd ▪ Chennai ▪ India

### Test Engineer

08/2017 – 12/2017

Responsibilities:

* Actively participated in the three amigos meeting to create Product Specifications
* Developed manual and automation test plan and strategy
* Wrote unit, integration and scenario based test cases and script
* Conducted smoke, functional, regression and end-to-end testing to ensure the application fitness
* Analysed, debugged and reported application defects.
* Performed client-side performance testing to ensure the page load time of the responsive web
* Coordinated meetings between Design, Development, Testing, Production and User teams for delivery of business critical functionalities
* Work with cross-functional teams to ensure quality throughout the SDLC

Significant Highlights:

* Got client appreciation for delivered product on-time with high quality
* Successfully released the article under the topic of "Avoid Pitfalls In Test Automation"
* Got high rating from manger in the Q4 quarter

## Ameex Technologies Pvt Ltd ▪ Chennai ▪ India

### Test Automation Architect

11/2016 – 04/2017

Role:

In Test Automation Architect role, I involved in design, build, test and deploy effective test automation based on the POM with Data Driven design Approach.

Responsibilities:

* Prepare test automation plan, feasibility document, effort estimation document and test automation mapping document
* Create BDD scenario's test framework based on the POM with Data Driven design approach
* Coordinate and facilitate test automation planning, design, and execution sessions
* Constantly evaluate test automation strategy and approach to identify areas of improvement
* Communicate test results information to development team and managers
* Train and mentor internal team members to understand Test Automation Framework, Tools and Strategies
* Closely work with clients, manager, business analysts, programmers, and QA team members

Action Taken:

1. Integrate selenium script with BDD using cucumber tool

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

Significant Highlights:

* Manual intervention reduced up-to 60-70% of time
* The test automation framework which was, created by me, got organisation wide recognition
* Reduce 50% of framework design time
* This framework send quick feedback about build to the developer
* Increase the productivity of the manage service team
* From this framework, DevOps implementation becomes easier

## Ameex Technologies Pvt Ltd ▪ Chennai ▪ India

### Test Automation Maintenance

08/2016 – 10/2016

Role:

In Test Automation Maintenance, I involved in troubleshooting the previous test framework was designed based on the Page Object Model(POM) and page factory framework design.

Responsibilities:

* Preparing detailed test report and shared the report with Project Manager and Stakeholders on daily basis
* Troubleshoot the daily facing issues in the existing test automation framework
* Doing Client Side Performance Testing on the various view-ports on daily basis
* Attend daily status meeting
* Mentor team mates

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 tear-down 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

5. A test case failure shouldn't cause the entire suite to stop running

6. Create independent object repository file and combine all selenium webdriver commands in one separate class which names as Generic Wrapper

7. Create methods with realistic names

8. Create user defined exception

9. Implement logs in the test framework

Significant Highlights:

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.

# PROFESSIONAL EXPERIENCE

## Tata Consultancy Services ▪ Chennai ▪ India

### Test Lead

12/2015 – 04/2016

Responsibilities:

* To coordinate and supervise the work of the Team Member in the Client Place
* Validate the Test case / Test data prepared by Team members and shared review comments
* Conduct post-release/ post-implementation testing
* Assign task to Team members
* Prepare 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

Significant Highlights:

* successfully implement the independent QA team and Test environment
* Got appreciation from the client for support the UAT testing
* Successfully implement the test automation in the project

## CMC Ltd ▪ Chennai ▪ India

### Test Analyst

02/2012 – 11/2015

Responsibilities:

* Understanding Requirement Specifications and Design Documents
* Test the UI (Look and Feel) and DB (Database) areas
* Perform Re-testing, Regression testing
* Prepare Manual test cases and executing the test cases manually
* Report defects using defect tracking tool
* Analyse and classify the bug based on the severity
* To coordinate and supervise the work of the Team Member in the Client Place
* 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
* Schedule all internal and external team calls and meetings
* Excellent experience in automation of Web-based applications
* Proven ability in write automation script in Selenium JAVA code using JUnit and TestNG
* Solid experience of Waterfall Methodologies and Testing processes
* Solid experience of AGILE Methodologies, AGILE Manifesto and Scrum processes
* Proven skills in Lead and train the internal team members
* Strong experience of Insurance and ERP domains

Significant Highlights:

* Got the client's appreciation of the on time delivery of the live tickets
* Successfully gave training to the client after the Go Live
* Got Star of the Month award
* Successfully implement and run automation script, while after the production move done. For check the build correctness
* Completed Agile Scrum Master Certification in the Exin

# EDUCATION

## Kalasalingam University ▪ Krishnankoil ▪ India

### Bachelor of Technology (IT)

07/2007 – 05/2011

www.kalasalingam.ac.in

## NAAM.Hr.Sec.School ▪ Rajapalayam ▪ India

### Computer Science

06/2000 – 03/2007

# AWARDS

## Star of the Month ▪ CMC LTD

05/2013

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.

# CERTIFICATIONS

## Scrum Fundamentals Certified ▪ SCRUMstudy - Accreditation Body for Scrum and Agile

### License 592002

09/2017

## Kameleoon's A/B testing Certification ▪ Kameleoon

### License 769010

08/2017

## Agile Scrum Master Certificate ▪ EXIN your ICT competence partner

### License 5469377.20445909

09/2015

# MISCELLANEOUS INFORMATION

* Nationality: Indian
* Languages: English, Tamil
* Availability: 3 month notice period
* Current CTC: 7 Lakhs Per Annum
* Expected CTC: As per market standard