Karthikeyan Rajendran

06/11/1989 ▪ Indian ▪ karthike.selene@gmail.com ▪ +919751118372
▪ https://www.linkedin.com/in/karthike89/

Address

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

HEADLINE

If you are seeking a person one who passionate about the quality, and a tech-savvy with, the right mix of technical skills. As a SDET, I could help you.

EXECUTIVE SUMMARY

- Highly capable Test Automation Engineer with exceptional 8-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 mentees to achieve the quality goals consistency
- Implemented 40-50% 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
- Having vast experience in creating robust framework in both front-end and back-end(API)

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	■■■■■
JavaScript	■■■□□
SQL	■■■□□

Test Automation Tools

Selenium Webdriver	■■■■■
Cucumber JVM	■■■■■
Cypress	■■■□□
RestAssured	■■■■■
Postman	■■■■■

Test Automation

Test Automation Framework Creation	■■■■■
Feasibility Analysis	■■■■■
Automation Scope Identification	■■■■■
Script Development & Execution	■■■■■
Report Generation	■■■■■

Agile Testing

BDD	■■■■■
ATDD	■■■■□
Test Pyramid	■■■■■

Application

Web Application	■■■■■
Mobile Web Application	■■■■■
Responsive Web Application	■■■■■
RESTful Web Services	■■■■■
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

- Hunger for learning
- Leadership
- Team player
- Mentor
- Article Writer
- Public Speaker

PROFESSIONAL EXPERIENCE

Ameex Technologies Pvt Ltd ▪ Chennai ▪ India

Sr. SDET

01/2019 – present

Responsibilities:

- Actively participate in the three amigos meeting to create Product Specifications
- Identify quality tasks during team sprint cycle and create the testing and automation strategies
- Enhance and extend the test automation framework based on the project need
- Analyse, debug and communicate test results and defects tracking
- Assist in the planning, creation, and control of the test data
- Work with cross-functional teams to ensure quality throughout the SDLC
- Create the efficient automation framework, which automate both GUI (Selenium) and logical (RestAssured) part the application
- Developed API automation framework using RestAssured API library in java
- Write API automation test script in Postman to monitor API's in production environment
- Participate in the review of QA procedures and processes and provide recommendations for improvement to eliminate redundancies in testing and improve efficiency
- Implement the Continuous Testing, in-order to meet the goal of test early and test often
- Mentor the team and individuals on best automation practices, design and implementation

Significant Highlights:

- Improved the collaboration between the team
- Improved code quality and assessed exact business risk coverage
- Increased stability and reliability in operational environment
- Successfully implemented the DevOps, delivered quality products on time to market
- Removed the miscommunication between development, testing, and operations teams
- Accelerated time-to-market with a continuous feedback mechanism
- Successfully integrated both GUI automation and API automation framework in one unit
- Successfully created the test data management tool using Java ODBC

Ameex Technologies Pvt Ltd ▪ Chennai ▪ India

SDET

05/2017 – 12/2018

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 scripts
- Conducted smoke, functional, regression and end-to-end testing to ensure the application fitness
- Analysed, debugged and reported application defects
- Eagerly I participate in the coordinate 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
- Developed API automation framework using RestAssured API library in java
- Write API automation test script in Postman to monitor API's in production environment

Significant Highlights:

- Got client appreciation for delivered product on-time with high quality
- Successfully implemented the automation framework for Rest API automation using RestAssured API
- Successfully released the article under the topic of "Avoid Pitfalls in Test Automation"
- Got high rating from manger in the Q4 quarter

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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 sends quick feedback about build to the developer
- Increase the productivity of the manage service team
- From this framework, DevOps implementation becomes easier

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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 start-up 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 a smaller 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

Agile Scrum Master Certificate ▪ EXIN your ICT competence partner

License 5469377.20445909

09/2015

Kameleoon's A/B testing Certification ▪ Kameleoon

License 769010

08/2017

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

License 592002

09/2017

Docker Essentials: A Developer Introduction ▪ IBM

License 8885cdbb15b04d9d82ffca26d6f1891b

01/2019

Apache JMeter Intro ▪ BlazeMeter University

License 51490785

06/2020

MISCELLANEOUS INFORMATION

- Nationality: Indian
- Languages: English, Tamil
- Availability: 3-month notice period
- Current CTC: 7 Lakhs Per Annum
- Expected CTC:
  - I am expecting my salary for this position to fall between 8 Lakh and 12 Lakh annually. My rich background in solving automation problem and customer centric approach can play a role in strengthening the organization. Is this in line with your thoughts?