

RAKESH MISHRA

Software Engineer

8+ years of professional experience in the field of Software Quality Assurance and Testing as SDET with extensive knowledge of Software Test Automation, Design & Implementation.

+91-9560684663

irakeshm.tech@gmail.com

https://irakeshm.online/

www.linkedin.com/in/irakeshm/

github.com/irakeshm



EDUCATION

Bachelor of
Technology
Aug 2007 – Jul 2011

UTTAR PRADESH TECHNICAL UNIVERSITY, LUCKNOW, INDIA

- Major in Information Technology and Compute Science
- Cumulative percentage of 76.2%

SKILLS

Programming Language

C#, Python, JavaScript, Java, Groovy

Web App, Mobile App & API Automation Framework & Library

Selenium, Coded-UI, Protractor, WebDriver I/O, Nightwatch JS, Cucumber, SpecFlow, Phantom JS, Pytest, Chai, Jest, Appium (XCUITest driver, UiAutomator2 driver), Espresso, Rest-Assured

Web Technologies & Database

HTML, CSS, Bootstrap, React JS, React Native, Node JS, Django Rest Framework, MySQL, Firebase

Unit Testing Framework

C# Unit Test, Jasmine, Mocha, PyUnit, NUnit, JUnit, Unittest

CI/CD Tools

Git, Bitbucket, GitHub, Jenkins, Docker, Maven, SVN, JIRA, Selenium Grid

Other Tools & Library

VSTS, VS Code, Eclipse, Jupyter Notebook, Anaconda, XCode, Android Studio, XML, JSON, WSDL, Postman, NPM, PIP, Nose, Allure, Karma, Code Collaborator, shell scripting

EXPERIENCE

Staff Engineer
Match 2020 – Present

STRYKER CORPORATION, GURUGRAM, INDIA

- Working on Feature Enhancement and Validation of Test Management Tool PTC Integrity.

Senior Software Engineer
Apr 2017 – Feb 2020

STRYKER CORPORATION, GURUGRAM, INDIA

- Worked on building a Quality driven Test Automation Framework that helped ship products rapidly and with great confidence.
- Designed and Developed the Test Automation Framework using Coded UI Library for end to end testing of WPF Application.
- Developed Test Automation Framework using Appium for end to end Automated test execution for iOS and Android Application.
- Implemented Unit Test Framework for WPF Application and Web Application using C# and JS Library.
- Developed the Data-Model using Machine Learning Library to Analyze JIRA Defects to Visualize the Defect Density and Pattern.
- Developed Web based Dashboard for Data Visualization using Google Data Studio.
- Identified areas for improved testing efficiencies, test automation and implementation of automated test solution.
- Help to expand test coverage along with creating appropriate tools, utilities, and automation scripts that assist in functional testing and creating test data (e.g. Hardware fixture Utility etc.)
- Participating in code reviews using code collaborator and Static analysis to ensuring that all solutions are aligned to pre-defined architectural specifications.
- Define Quality Metrics and implement measurements to determine test effectiveness, testing efficiency, and measure the overall quality of the Product.
- Mentor Test Team Member to Learn and Implement the Test Automation Solution.
- Partner with engineering and infrastructure teams to leverage automation for a scalable solution to prevent regressions and ensure the reliability of the product.

Software Engineer
Oct 2014 – Mar 2017

STRYKER CORPORATION, GURUGRAM, INDIA

- Designed and Implemented automated testing Framework using Selenium for Verification of Web Application.
- Extensively worked in converting System requirement and real-life use cases into Test cases and Test Scenarios.
- Designed and implemented an automated regression test infrastructure that will support comprehensive testing (establish and maintain physical and/or virtual test automation labs for effective execution).
- Developed an In-House Web App for maintaining the repository of all the Hardware/Software Resources and their assignments within the Team.
- Designed and Implemented automated testing Framework using Coded-UI for Verification of Localization feature of WPF Application.
- Hands-on experience with test planning, test designing and execution, performance and stress testing, implementing and maintaining quality test automation.
- Experinecs of Microservices and web architecture with distributed systems.
- Proficient in Requirement gathering, working with design teams to understand the requirements, preparation of Test Strategy, Test Plan, Test Protocol, Test Cases, Test

Test Engineer
Dec 2011 – Oct 2014

INFOSYS LIMITED, HYDERABAD, INDIA

- Designed and Developed the Test Automation Framework using Coded UI Library for end to end testing of CRM Web Application.
- Involved in Requirement gathering, working with design and marketing teams to understand the requirements, preparation of Test Strategy, Test Plan, Test Protocol and Test Cases.
- Performed White box, black box testing and integration testing and Reported defects and performed code debugging, code coverage and evaluation to manage the software issue from creation to closure.
- Experienced using Waterfall, Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC) methodologies, same as Scrum methods for Agile.
- Help expanding test coverage along with creating appropriate tools, utilities, and automation scripts that assist in functional testing and creating test data.
- Lead Quality assurance efforts that align with product objectives and develop scalable solutions.

CERTIFICATES

Microsoft Technical
Certifications

-
- Programming in HTML5 with JavaScript and CSS3 (70-480)
 - Programming in C# (70-483)
 - Microsoft Dynamics CRM 2016 Applications (MB2-711)
 - Software Testing with Visual Studio 2012
-

PROJECTS

Personal Projects

-
- Personal Portfolio Website ([GitHub](#))
 - Know your Tea App- React Native ([GitHub](#))
 - Selenium Hybrid Framework (Java) ([GitHub](#))
 - To Do App (React JS) ([GitHub](#))
 - Awesome Weather App (React Native) ([GitHub](#))
 - Intelligent Automation Framework ([GitHub](#))
 - Selenium Hybrid Framework with Python ([GitHub](#))
 - API Test Automation Framework ([GitHub](#))