

# RAKESH MISHRA

## Software Engineer

7+ 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.tech/

www.linkedin.com/in/irakeshm/

github.com/irakeshm



## EDUCATION

Bachelor of  
Technology  
Aug 2007 – Jul 2011

### UTTAR PRADESH TECHNICAL UNIVERSITY

- 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, Robot Framework, Phantom JS, Pytest, Chai, Jest, UFT, Appium (XCUITest driver, UiAutomator2 driver), Selenium (iOS Driver, Selendroid), Espresso, Rest-Assured, Karate

### Web Technologies & Database

HTML, CSS, Sass, Bootstrap, React JS, React Native, Redux, Node JS, Django, Django Rest Framework, JSX, 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, JASON, WSDL, Postman, NPM, PIP, Nose, Allure, Karma, Code Collaborator

### Data Analysis Library

Scikit-learn, Pandas, NumPy, Google Data Studio

## EXPERIENCE

Senior Software  
Engineer  
Apr 2017 – Present

### 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 expanding 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 predefined architectural specifications.
- Define Quality Metrics and implement measurements to determine test effectiveness, testing efficiency, and measure the overall quality of the Product.
- Mentor and Lead 3 Test Team Member to Learn and Implement the Test Automation Solution.
- Partner with engineering and infrastructure teams to leverage automation for scalable solution to prevent regressions and ensure reliability of 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 with in 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.
- Proficient in Requirement gathering, working with design teams to understand the requirements, preparation of Test Strategy, Test Plan, Test Protocol, Test Cases, Test Scenario and Test Reports.

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

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- 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

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