

RAKESH MISHRA

Software Engineer

+91-9560684663

irakeshm.tech@gmail.com

[linkedin.com/in/irakeshm](https://www.linkedin.com/in/irakeshm)

github.com/irakeshm

www.irakeshm.github.io



Profile Summary

Experienced Quality Architect with a 11+ years of expertise in delivering excellence in software development and testing. Proficient in crafting effective testing strategies and leveraging cutting-edge automation frameworks for frontend, backend & mobile applications. Skilled in designing and maintaining production-grade applications in virtualized and containerized environments for Customer-facing applications

Education

Bachelor of Technology(Information Technology)

Uttar Pradesh Technical University | **2007-2011**

Technical Skills

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|-----------------------------|--|
| Programming Language | TypeScript, Java, C#, JavaScript, Python, Scala, Shell Script |
| Test Automation Tools | Playwright, Cypress, Selenium, REST-Assured, Gatling, Coded-UI, Protractor, Appium, Postman, TestNG, Jest, Gatling |
| CI/CD Tools | Git, Jenkins, Docker, Kubernetes, Selenium Grid |
| Test Management Tool | JIRA, Zephyr, Test Rail, PTC Integrity |
| Web Technologies & Database | HTML, CSS, Bootstrap, Node JS, SQL |
| Others | Data Structure & Algorithm, Design Pattern, System Design, Test Automation Framework |

Professional Work Experience

Staff SDET

June 2022- Present

Twilio, Bangalore India

- As a highly skilled Software Engineer, I have extensive experience working with **Playwright** and **TypeScript** to develop efficient and effective testing solutions. I have a strong background in performance testing and load testing using the **Gatling** tool, which has enabled me to ensure that software products are highly performant and scalable.
- As an experienced **Quality Assurance professional**, I have a proven track record of successfully leading and mentoring teams of Software Development Engineers in Test throughout all phases of product development. My expertise lies in defining and monitoring quality assurance metrics to drive continuous quality and process improvements, with a focus on automation and the removal of manual dependencies.
- I am skilled in creating central **quality tools and frameworks** to optimize deliverables and ensure high-quality outputs. My ability to communicate clearly and openly with both internal and external stakeholders has enabled me to deliver projects on time and with exceptional quality. Additionally, I stay up-to-date with the latest **Quality Engineering Testing** trends to ensure that my team is utilizing the most effective testing methods available.
- I oversaw technical scoping and design of projects to ensure they delivered expected value with high quality. Through my leadership, we were able to innovate new testing methods and continuously improve our testing cycles. I am excited to bring my skills and experience to your organization and make a meaningful impact on your product development and quality assurance processes.
- Technologies:** TypeScript, Playwright, Cypress, Gatling,

Software Development Engineer in Test

Nov 2020- June 2022

Groupon, Bangalore India

- Improved engineering productivity by adding **scalable Automation Testing support**, building **Release Tools** and **analyzing metrics** in both **pre-production** and **production** pipelines.
- Closely working with stakeholders to understand their needs with respect to **Test results** and implementing and enhancing **current automation** for better visualization.
- Performed **Load testing** and **API functional Testing** for **cloud migration** of the services hosted on on-prem data centers.
- Design and Implemented a new dashboard for single-point test build, and **scalable Automated test frameworks** which support the functional **UI and API Testing**.
- Involve in end-to-end Testing activities i.e. **Test Planning, Test Strategies, Test Execution & Reporting**.
- Technologies:** Java, Selenium, Rest-Assured, scala, Gatling, Blazemeter, Git, Docker, Kibana, Splunk, Jenkins

Staff Engineer

Oct 2014- Nov 2020

Stryker Corp., Gurugram India

- Architect and Designed **Test Automation Framework Architecture** for **End-to-End Test Automation** by Integrating Desktop Application Test with Web Application and Mobile App Tests.
- Integrated **Coded-UI Framework** with **Selenium** and **Appium** Interfaces. Designed and Developed the Large-Scale Test

Automation Framework using Coded UI Library for an end to end testing of **WPF Application**.

- Proficient in **Requirement gathering**, working with design teams to understand the requirements, preparation of **Test Strategy, Test Plan, Test Protocol, Test Cases, Test Scenarios and Test Reports**.
- Extensively worked on **Video Signal** (DVI, 4K, Composite and S-Video), Device control, Video Routing technologies, and HL7, DICOM, and SIDNE protocols.
- **Technologies**: C#, Java, Selenium, Rest-Assured, Appium, Git, Medical Domain Standards ISO 13485, FDA 21CFR820, IEC 62304, Risk Management-ISO 14971, HIPPA, HL7, DICOM, Design Control, Design Validation and review, FMEA, DFSS

Test Engineer

Dec 2011- Oct 2014

Infosys Ltd., Hyderabad India

- Being a fresher graduate, learned the **QA process** in-depth and implemented **end-to-end testing**.
- Closely worked with developers to understand framework development approaches for QA and contributed to framework development using C# and Coded-UI.
- Designed, implemented and executed both Manual and Automation Test cases for Web as well as Mobile applications (Android/I OS).
- **Technologies**: C#, Code-UI, Software Test Life Cycle, MTM