

# Rakesh Mishra

## Software Engineer



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### PROFESSIONAL SUMMARY

Experienced Quality Architect with over 12 years of proven expertise in software development and testing. Demonstrated proficiency in devising robust testing strategies and leveraging advanced automation frameworks across frontend, backend, and mobile applications. Skilled in designing and maintaining Cloud-tier production-grade applications within virtualized and containerized environments, with a focus on enhancing customer-facing solutions.

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### KEY COMPETENCIES

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| • <b>Programming Language</b>            | TypScript, Java, C#, JavaScript, Python, Scala, Shell Script   |
| • <b>Test Automation Tools.</b>          | Playwright, Cypress, Selenium, REST-Assured, Gatling, Coded-UI, Jest<br>Protractor, Appium, Postman, TestNG, Gatling   |
| • <b>CI/CD Tools</b>                     | Git, Jenkins, Docker, Kubernetes, Selenium Grid  |
| • <b>Test Management Tool</b>            | JIRA, Zephyr, Test Rail, PTC Integrity   |
| • <b>Web Technologies &amp; Database</b> | HTML, CSS, Bootstrap, React JS, Node JS, MySQL   |
| • <b>Cloud Platform</b>                  | AWS, GCP   |
| • <b>Others</b>                          | Data Structures & Algorithms, Design Patterns, System Design,<br>Test Automation Framework Development, Functional & Non-functional<br>Testing, White Box Testing, Black Box Testing |
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### PROFESSIONAL EXPERIENCE

#### Salesforce, Bangalore, India

January 2024 - Present

##### Lead Member of Technical Staff

- Leading the Quality team within the Mulesoft division, spearheading efforts to ensure the robustness and reliability of the Mulesoft hosting application. Implementing automated testing processes to comprehensively assess all hosting options, thereby enhancing overall quality assurance measures.

#### Twilio, Bangalore, India

June 2022 - January 2024

##### Staff SDET

- 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 Tests throughout all phases of product development. My expertise lies in defining and monitoring quality assurance metrics to drive continuous improvement, focusing on automation and reducing 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 the technical scoping and design of projects to ensure they delivered the 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, Scala

**Groupon, Bangalore, India**  
**SDET- III**

**November 2020 - June 2022**

- Implemented scalable Automation Testing solutions to enhance engineering productivity, including building Release Tools and analyzing metrics across pre-production and production pipelines.
- Collaborated closely with stakeholders to comprehend their requirements regarding Test results, and enhanced existing automation for improved visualization.
- Conducted Load testing and API functional Testing for the cloud migration of services from on-prem data centers, while designing and implementing a new dashboard for centralized test builds. Additionally, developed scalable Automated test frameworks supporting functional UI and API Testing, and participated in end-to-end Testing activities encompassing Test Planning, Strategies, Execution, and Reporting.
- **Technologies:** Java, Selenium, Rest-Assured, scala, Gatling, Blazemeter, Docker, Kibana, Splunk, Jenkins

**Stryker Corp, Gurugram, India**  
**Staff Software Engineer**

**October 2014 - November 2020**

- Designed and implemented an end-to-end Test Automation Framework architecture integrating Desktop, Web, and Mobile applications, ensuring comprehensive test coverage.
- Integrated Coded-UI Framework seamlessly with Selenium and Appium interfaces to facilitate large-scale testing across various platforms and technologies.
- Proficiently gathered requirements collaborated with design teams, and prepared comprehensive test artifacts including Test Strategy, Test Plan, Test Protocol, Test Cases, Scenarios, and Reports, ensuring thorough testing of complex technologies and protocols such as Video Signal, Device Control, and Healthcare standards like HL7, DICOM, and SIDNE.
- **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

**Infosys Ltd, Hyderabad, India**  
**Test Engineer**

**December 2011 - October 2014**

- Implemented end-to-end testing procedures after gaining proficiency in QA processes as a fresher graduate, collaborating closely with developers to understand and contribute to framework development using C# and Coded-UI.
- Designed, implemented, and executed Manual and Automation Test cases for both Web and Mobile applications (Android/iOS), demonstrating proficiency across diverse testing environments.
- **Technologies:** C#, Code-UI, Software Test Life Cycle, MTM

**EDUCATION**

**B.Tech in Information Technology**  
Uttar Pradesh Technical University  
2007-2011

**CERTIFICATIONS**

**Software Testing with Visual Studio**  
Microsoft

**Programming in C# Certification**  
Microsoft

**Programming in HTML5 with JavaScript and CSS3**  
Microsoft