

# Adarsha Shetty

Software Engineer | Test Automation | Java | CI/CD

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Bengaluru, Karnataka, India



## SUMMARY

Experienced Software Engineer with 12 years of expertise in designing and automating test cases to ensure software quality and efficiency. Proficient in Java, JavaScript and Ruby. I specialize in delivering solutions that support software development processes. Known for a strong foundation in test automation, teamwork, and extensive experience in developing reliable test automation frameworks to drive impactful results.

## EXPERIENCE

### Staff Software Development Engineer in Test

#### Hackerrank

07/2022 - Present Bengaluru, Karnataka, India

- Elevated product quality by implementing well known testing strategies, reducing critical defects by 65% (from 120 to 42 monthly)
- Achieved a 400% reduction in testing time by spearheading test automation initiatives, cutting execution time from 8 hours to 2 hours for 2,300+ test cases
- Elevated test coverage by 20% while reducing manual testing efforts by 15% by revamping the test framework
- Boosted QA team productivity by 35% through a Slack application bot that automated test triggering, saving 12 hours/week across the team of 8 QA engineers

### Senior Software Development Engineer in Test

#### Hackerrank

01/2020 - 07/2022 Bengaluru, Karnataka, India

- Delivered comprehensive UI test automation framework using Cucumber, Ruby, and Selenium, reducing test creation time by 65% while increasing coverage from 60% to 95% across 3 major product modules, with seamless integration into Jenkins and Kubernetes CI/CD pipeline
- Streamlined execution of 2,300+ UI scenarios through cloud-based virtual displays, achieving 90% faster deployments (from 45 to 4 minutes) and reducing infrastructure costs by 45% while maintaining 99.9% test environment reliability

### Software Development Engineer in Test

#### Hackerrank

06/2015 - 01/2020 Bengaluru, Karnataka, India

- Performed efficient test automation by developing UI test automation framework with TestNG and Selenium, reducing test execution time by 70% (from 5 hours to 1.5 hours) and automating 150+ critical test cases with 98% reliability
- Enhanced product quality by designing and implementing 200+ test scenarios across 8 core features, increasing test coverage by 75% and reducing post-release defects by 60% (from 50 to 20 monthly), while maintaining 99.8% test reliability

### QA Automation Engineer

#### Sapient Global Markets

03/2012 - 06/2015 Bengaluru, Karnataka, India

A marketing and consulting firm specializing in technology and analytics.

- Improved testing efficiency and proactively mitigated risks throughout the testing process by designing test scenarios, cases, and scripts
- Developed a test automation framework reducing manual testing time by 60% at Sapient Global Markets

## KEY ACHIEVEMENTS



**Achieved a 400% reduction in UI automation testing time by optimizing the CI setup, significantly enhancing testing efficiency and deployment speed.**



**Scaled up automation testing to 2300 scenarios on in-house cloud-based setup**

## EDUCATION

### Bachelor of Engineering (B.E.)

#### PES Institute Of Technology

08/2007 - 05/2011 Bangalore, India

## SKILLS

Problem Solving

Data Structures

Automation Testing

UI Testing

API Testing

CI/CD

Documentation

## PROGRAMMING LANGUAGES

Java

Advanced

Groovy

Intermediate

Javascript

Intermediate

## TOOLS AND TECHNOLOGIES



**Jenkins, Git, Selenium, Playwright, Docker, Kubernetes, AWS and Terraform**

## AWARDS AND RECOGNITIONS



### Kudos 2022

For quick delivery of increased scale of automation with a new CI setup



### Spot Award 2024

For achieving 400% reduction in UI automation testing time by optimizing the CI setup, significantly enhancing testing efficiency and deployment speed.