



Kuldeep Yadav

SENIOR SDET

Details

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Links

[Linkedin](#)
[Github](#)
[StackOverflow](#)

Skills

- Java
- Python
- JavaScript
- Shell Scripting
- Selenium
- Appium
- Cypress
- UIAutomator2
- XCUITest
- Rest-Assured
- Cucumber
- Locust
- Jenkins
- GitLab CI
- Docker
- WireMock

Profile

Transforming software quality through 9.9 years of expertise as a Senior SDET, driving innovation in API and UI test automation. Specializing in the development of scalable frameworks and seamless CI/CD integration, enhancing testing efficiency and system reliability. Proficiency in Java, combined with a strong foundation in TDD and BDD methodologies, enables a thorough approach to quality assurance. Dedicated to fostering cross-functional collaboration, ensuring timely delivery of robust testing solutions that propel software excellence. Passionate about leveraging cutting-edge strategies to elevate organizational quality processes.

Employment History

Senior SDET, Avalara Technologies, Bengaluru

AUGUST 2024 – APRIL 2025

Engineered a multi-module Java-based automation framework for UI and API testing utilizing Selenium, Rest-Assured, TestNG, Maven, and Docker.

- Streamlined test creation and maintenance through reusable API requests and integrated with Git-lab CI for CI/CD pipeline automation.
- Collaborated with Product, development, and DevOps teams to synchronize test automation with sprint deliverables, reducing QA feedback time by 2 days.
- Authored comprehensive test plans and test cases to enhance testing coverage.
- Implemented session management and synchronization handlers, improving system reliability and code maintainability.

SDET Engineer, PhonePe, Bengaluru

JULY 2018 – JULY 2024

- Led mobile automation (Android/iOS) reducing weekly QA time by 30%.
- Designed Kafka producers/consumers to validate MySQL DB entries in runtime.
- Developed appium + Java-based test framework integrated with Git-lab CI. Performed load testing using performance Locust and J Meter.
- Successfully configured Git-lab CI/CD, integrated S3 for apps version management, and set up of headspin in docker environments which leads to a streamlined and automated deployment process.
- Worked on creating a test automation framework and writing test scripts for web application testing using Selenium and Java.
- Achieved 95% automation coverage for critical micro services.
- Created mock service for 3rd-party dependencies, reducing test failures by 60%.

QA Engineer, Zopper, Noida

DECEMBER 2017 – JULY 2018

- Automated P0 test cases using Appium and Python.
- Built an API monitoring tool to track QA environment stability.
- Used Newman to validate invoice synchronisation from offline to online and API responses time.
- Optimised profile setup APIs, reducing response time by 60%. Integrated JIRA with the app deployment pipeline.
- Implemented Slack and JIRA integration to send daily status updates to Slack channels.

JIRA

TestRail

Confluence

Postman

Swagger

Newman

JMeter

AWS

Azure

HeadSpin

BrowserStack

MySQL

Kafka

GraphQL

Hobbies

Playing games and Reading Books.

QA Engineer, Carzonrent, New Delhi

NOVEMBER 2016 – NOVEMBER 2017

- Automated refund validation processes, reducing transaction failures by 25%.
- Built logic for availability-based car recommendation feature which leads to increased bookings by 20%.
- Participated in STLC and wrote automation for critical regression flows.

QA Engineer, Fliplearn (Educomp), Gurugram

AUGUST 2015 – SEPTEMBER 2016

- Designed mobile test plans and automated sanity test suites for mobile applications.
- Performed regression, stress, and functional testing for both mobile and web applications.
- Developed automation scripts for web application testing.
- Integrated automation scripts with the deployment pipeline.
- Owned the deployment of QA builds to the QA environment.
- Created new test cases and updated existing ones based on application changes.
- Actively participated in Scrum ceremonies and sprint activities.

Education

Bachelor of Technology (B.Tech), UP Technical University

JULY 2010 – JUNE 2014

Graduated With Honors in Electronics and Communication Engineering.

High School, St. Xavier's Enter College

JULY 2003 – JUNE 2009

Certifications

Java and API Automation with Rest-Assured

[Credentials](#)

Performance Testing Using Locust 1.0

[Credentials](#)

Projects

REST API Automation Framework Design based on BDD

Technologies Used: Rest-assured, Java, TestNG, Maven, Jenkins

GitHub: [API-Automation-BDD-Framework](#).

This project uses the following dependencies:

- **JUnit 4:** For running Cucumber tests.
- **Cucumber:** For running Gherkin-based tests.
- **Rest-Assured:** For API testing.
- **Maven Surefire Plugin:** For running tests in Maven.

Web Automation Design Pattern - Spring Boot and Selenium

A scalable and maintainable web automation framework using Selenium WebDriver and Java, demonstrating the use of industry-standard design patterns such as Page Object Model (POM).

Tech Stack

- **Language:** Java,
- **Automation Tool:** Selenium Webdriver
- **Build Tool:** Maven
- **Test Framework:** TestNG
- **Design Patterns:** Page Object Model (POM)
- **Reporting:** ExtentReports (Optional integration)
- **CI Integration:** GitHub Actions / Jenkins (Optional)

GitHub: [Web automation design patterns Spring boot and Selenium](#)

Mobile App Upgrade & Compatibility Testing using Appium, Bengaluru

Technologies Used: Appium, Java, TestNG, Maven, Jenkins.

Github: [App Upgrade](#)

Before the release of the latest app version, performed backward compatibility and upgrade testing with previous versions. This project was integrated into the CI/CD pipeline and executed before each release.

Quality Engineering & Testing Excellence

Quality Engineering & Testing Excellence

- Designed and reviewed test plans and data for 100+ sprint cycles in Agile teams, ensuring 95% test case readiness before development sign-off.
- Worked closely with Product, Dev, and DevOps teams to align test automation with sprint deliverables and reduce QA feedback time by 2 days.
- Passionate about shift-left testing, embedding automation at every stage, and enabling developer and experienced in grey-box and black box testing.
- Integrated test automation with AI-driven dashboard (internal tool) to analyze flaky test patterns in real-time and reduce false positives by 25%.
- Reduced manual QA effort by 40% through automation of RC/Beta build.
- Mentored 5+ junior SDET, enabling faster on-boarding and improved code quality.
- Enhanced automation framework to notify post-deployment back-end failures. Actively contributed to Agile ceremonies and ensured timely QA readiness by collaborating with developers and PMs during sprint planning.

Extra-curricular activities

Hiring process, PhonePe

Actively participated in the hiring process and engaged in employee engagement activities.

References

References available upon request