

KULDEEP YADAV

Senior SDET | Automation & Testing Expert | CI/CD Integration | Performance Improvement

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• <https://github.com/kuldeep04>

Skills

Languages: Java, Python, JavaScript, Unix Shell Script.

Tools & Frameworks:

Rest-Assured, TestNG, JUnit, Appium, Cypress, Selenium, Cucumber, WireMock, Locust, GitHub, Postman, Docker, Maven, Jmeter, Jenkins, JIRA, TestRail.

Database: MySQL, SQL, Oracle DB, PostgreSQL, Elasticsearch.

Cloud Platform: AWS, S3, BrowserStack.

Platform: IntelliJ IDE, Visual Studio Code. PyCharm.

Soft Skill:

Manual Testing, Strong stakeholder management, Analytical & Problem-Solving, Collaboration, People management, Excellent communication.

AI-powered coding assistant: Amazon Q & GitLab Duo.

Operating System: Linux, Mac and Windows.

Work Experience

Senior SDET | Capco Technologies

04/2025 - Present

Global fintech consultancy driving digital transformation and innovation in finance.

- Working on the automation of backend services for the Agency API channel, which handles bulk transactions for agency users.
- Worked on improving the performance of the backend automation framework and supporting end-to-end flow execution, leading to a 30% improvement in overall framework performance.
- Managed and work on the business proving process which is critical part of the release process and drafting BIV reports.
- Working on the Web UI automation which is an internal management tool for the asset movement.

SDET - III | Avalara Technologies Pvt Ltd

08/2024 - 04/2025

Global leader in AI-driven tax automation and compliance solutions.

- Designed and implemented scalable multi-module automation frameworks for API and UI testing using Cucumber, Java, TestNG, and Maven, following SRP, POM, and Builder patterns to ensure reusability, maintainability, and consistency across teams.
- Enhanced test stability and CI/CD efficiency: optimized parallel execution, integrated GitLab and Docker automation, adopted Shift-Left, reducing UI automation time by 50%.
- Collaborated in agile ceremonies with product managers and developers. Created test plans and reviewed code. Built automation utilities. Contributed to process and technology improvements.

Software Engineer In Test | PhonePe Pvt Ltd

07/2018 - 07/2024

India's leading fintech, enabling digital payments and financial services.

- Led mobile automation for Android and iOS apps using Appium, Java, TestNG, Maven, and Cypress, covering critical flows like upgrades, localization, push notifications, and RC/Beta testing — reducing QA effort by ~30% and cutting manual release preparation from 5 days to 3 days.
- Developed and maintained backend automation frameworks with Kafka, MySQL validation, and service virtualization, improving test coverage and reliability while reducing failure rates by ~60%.
- Streamlined CI/CD pipelines and deployments using GitLab, Docker, S3, and Headspin, enabling automated test execution during deployments and supporting faster, more stable releases.
- Improved reporting and monitoring by integrating Allure with Slack/email notifications, and building Grafana + PostgreSQL dashboards with S3 storage for historical test results, providing real-time insights and trends.
- Worked closely with cross-functional teams including product managers and developers to create test plans, write and review test cases, and participate in agile ceremonies, helping speed up releases and improve overall product quality.
- Oversaw the daily work and quarterly goal planning of team members.

Work Experience

QA Engineer | Zopper | Carzonerent | Fliplearn

08/2015 - 07/2018

Gained experience across multiple domains in various technology organizations.

- Built and maintained automation frameworks for mobile apps and APIs using Appium, Python, and Postman Newman, enabling faster sanity checks, validation of critical workflows, and improved QA efficiency.
- Improved API performance and reliability by optimizing user profile setup APIs with JMeter, reducing response times from 3 seconds to 1 second, and developing API monitoring tools to track environment stability.
- Validated complex business processes including invoice syncing, auto-refunds, and next-availability booking features, reducing transaction failures by ~25% and increasing advance bookings by ~20%.
- Contributed across SDLC and STLC by designing test plans, creating and executing test cases, performing functional and non-functional testing, and supporting CI/CD pipelines with Jenkins in Agile/Scrum environments.

Education

Dr. A. P. J. Abdul Kalam Technical University

Lucknow, India

Bachelor's Degree in Electronics & Communication engineering

06/2010 - 06/2014

St. Xavier's Inter College

Jaunpur, India

High school & Intermediate

2003 - 2009

Certification

Rest API Testing (Automation) from Scratch-Rest Assured Java

— Udemy

Performance Testing Using Locust 1.0 — Udemy

Cypress -Modern Automation Testing from Scratch + Frameworks

— Udemy

ACHIEVEMENT

Accelerated QA and Release Cycles.

Led mobile and backend automation, reducing manual QA effort by ~30% and UI execution time by ~50%.

Enhanced System Reliability and Coverage.

Built backend frameworks with Kafka validation and service virtualization, cutting failure rates by ~60% during high-traffic events.

Optimized CI/CD, Reporting, and Collaboration.

Streamlined GitLab CI/CD pipelines, integrated Allure and dashboards, improving release efficiency and product quality.