

Saurav Singh

Automation Test Lead, Pune

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Summary

ISTQB and SAFe-certified **Senior Test Automation Engineer** with **9+ years of experience** specializing in test automation for **capital markets and investment banking applications**. Proficient in Order Management Systems, Trade Life Cycle. Skilled in designing robust automation frameworks for **UI, API** using Java, Selenium, Playwright, and REST Assured. Adept at integrating automation solutions with **GitLab CI/CD pipelines**, Docker, and cloud-based infrastructure to enhance test efficiency.

Skills

- Java | SQL | Selenium | Playwright | REST Assured | Cucumber | Gitlab CI/CD | Git | BDD | API Testing | Test Planning
- Capital Markets | Equities | Bonds | FX | Options | JIRA | Zephyr | GitHub Copilot | BrowserStack | Gherkin | Healenium

Experience

Assistant Vice President

[Citi](#)

06/2025 - Current

- Developed and executed comprehensive test plans and test cases to ensure that software meets requirements and works as expected.
- Collaborated with cross-functional teams, including Development, Product, and Design, to identify and prioritize testing needs.

Senior Associate

[Bank of New York](#)

11/2021 - 05/2025

- Reduced NetX360 trading test case execution time from over 6+ minutes to **under 4 minutes** with script optimizations
- Incorporated **REST API** automation in Selenium Regression suite, cutting execution time by **40 minutes**
- Integrated test suites into CI/CD pipelines using **GitLab**, enabling Docker-based parallel test execution for faster regression cycles
- Delivered PoC for Equity order entry workflows using **Playwright** with TypeScript, driving adoption of modern testing frameworks
- Reduced script development time by **30%** by leveraging **GitHub Copilot**
- Reduced Automation Script failures by **15%** after incorporating Self Healing of locators using Healenium

Senior Software Engineer

[Hexaware](#)

01/2020 - 11/2021

- Built a comprehensive UI test suite using **WebDriver** with Java, increasing test coverage and reducing manual efforts by **40%**
- Designed and implemented **API automation** test scripts using **REST Assured**, validating functionality, performance, and response integrity
- Led end-to-end **functional, automation, and regression testing** for front-office trading applications

Associate

[Cognizant](#)

10/2018 - 01/2020

- Implemented automation for **Equity and Options Trading** test scenarios, reducing regression testing efforts
- Conducted **Root Cause Analysis (RCA)** on critical defects, identifying process improvements that enhanced software quality and reliability
- Developed and maintained automation code using **Java and Selenium**, focusing on improving test reliability and reducing execution time

Systems Engineer

[Tata Consultancy Services](#)

03/2016 - 10/2018

- Created and executed automation test scripts, logging defects and collaborating with teams to address issues
- Collaborated with business and development teams to align testing with project requirements
- Documented and provided detailed test reports, offering actionable insights and ensuring transparency with stakeholders

Education

Bachelor of Engineering

[Bhilai Institute of Technology](#)

2011-2015

- Mechanical Engineering