

# Abhijeet Vaikar

Lead Software Quality Engineer

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## Summary

Experienced Lead Software Quality Engineer with a proven track record of improving **test automation efficiency, reducing release cycle time**, and embedding **quality best practices** across teams. Led the development of **UI and API test automation** frameworks, achieving 95%+ test coverage and stability, and seamless **CI/CD integrations** using tools and technologies like **Selenium, Playwright, Appium, TestNG, Cucumber, RestAssured, Docker, Jenkins, GitHub, Go and Java**. Passionate about delivering high-quality, user-centric software.

## Experience

Cognizant	Singapore, Singapore
Senior Software Quality Engineer	04/2025 - Present
<ul style="list-style-type: none"><li>Leading QE for SurveySG (Salesforce-based national platform) for Singapore's Department of Statistics.</li><li>Designed and built a Playwright + JSForce automation framework from scratch; integrated into GitLab CI for early validation and faster feedback.</li><li>Leveraged Salesforce APIs to eliminate fragile UI data setup, enabling independent, deterministic E2E tests.</li><li>Automated critical user journeys, identifying major integration defects early in the SDLC.</li><li>Mentored developers to write and analyze E2E tests, strengthening quality ownership within the feature team.</li><li>Supported on risk analysis, test design, test planning, test execution, UAT activities and post-release sanity testing</li></ul>	
Carousell	Singapore, Singapore
Lead Software Test Engineer	03/2018 - 02/2025
Mobile and web-based ecommerce	
<ul style="list-style-type: none"><li>Led quality engineering across Trust &amp; Safety, Pro Sellers, External Ads, and Merchants teams for a multi-market (SG, MY, PH, HK, TW, ID) and multi-platform (Android, iOS, DWeb, mWeb) ecommerce ecosystem.</li><li>Drove shift-left practices by refining requirements early, identifying design gaps, and enabling API-first testing—significantly reducing late-stage defects.</li><li>Established the Monthly Quality Review (MQR) process, covering CFR stability, regression health, Sev1/Sev2 prevention, automation reliability, and code quality metrics.</li><li>Modernized UI (Java, Selenium, Appium) and API/gRPC (Go, Testify, protobuf) automation frameworks, improving stability to 95%+ and scaling E2E automated coverage to 500+ scenarios, reducing regression from 1 day to 30 minutes.</li><li>Delivered platform tooling including bulk/dynamic test-user generation, Crashlytics monitoring with alerting, chat simulation via Sendbird API, and other quality accelerators.</li><li>Authored the company's first gRPC testing RFC and delivered the working proof-of-concept in collaboration with Infra and Backend teams.</li><li>Partnered closely with Product, Backend, Client Engineering, SRE, Security, and DevOps to enhance testability, build security practices, and improve overall delivery quality—including driving backend engineer participation in API test suites.</li><li>Managed quality readiness for 60+ major feature launches across multiple verticals.</li><li>Onboarded 100+ repositories to SonarQube/SonarCloud, defining quality gates and review guidelines adopted across engineering.</li><li>Optimized CI pipelines (Jenkins, GitHub Actions) with caching, build-time reductions, PR trigger optimization, and migration from CircleCI to Jenkins.</li><li>Mentored QEs and backend engineers in automation design, shift-left testing, and test strategy; designed structured onboarding programs and technical bootcamps for the Test Engineering function.</li></ul>	
Cognizant	Pune, India
Senior Software Test Engineer	02/2014 - 03/2018
<ul style="list-style-type: none"><li>Helped Cognizant clients eBay Australia and ASOS UK release software with high confidence with the help of comprehensive test plan and execution, and no critical issues on production. Also helped conduct on-site UAT for eBay Australia's PUDO project.</li><li>Improved regression efficiency by 90% by automating regression tests on both UI and API using Java, RestAssured, Selenium, Appium and TestNG.</li><li>Built scalable CI pipelines with Jenkins for web UI and functional API tests.</li></ul>	
Xtremum Solutions	Pune
Software Test Engineer	05/2012 - 01/2014
Healthcare tech	
<ul style="list-style-type: none"><li>Reduced manual regression testing effort by 50% by developing a Selenium-based automation framework for Praxify web platform.</li><li>Ran performance tests for the application backend using JMeter to identify performance bottlenecks.</li><li>Analyzed requirements, designed tests, tracked defects, and handled on-site UAT and demos with hospital doctors, for the company's Android and iOS apps.</li></ul>	

## Skills

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### Software Testing:

Functional testing · UI testing · API testing · Microservices testing · Mobile testing · Web testing · Dogfooding · Requirements testing · Risk analysis · Test planning · Defect tracking and triaging

### Test Automation:

UI test automation (Web / mobile) · API test automation (REST and gRPC) · unit testing · integration testing · continuous integration (CI) · test automation metrics and dashboards · framework development · automated test data generation · BDD · test automation pyramid

### Tools and Technologies:

Selenium · Appium · Playwright · AppliTools · TestNG · JUnit · Go test · Maven · RestAssured · AWS · GCP · Jenkins · TravisCI · GitHub Actions · SonarCloud · SonarQube · Docker · BrowserStack · AWS Device Farm · Slack API integration · Zephyr Scale · Crashlytics · Postman · Git · GitHub · MongoDB · SQL · JIRA · Spring DI · Cucumber

Programming Languages: Java · Go · Shell scripting · JavaScript

## Education

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### University of Pune

Pune, India

#### MCM (Masters in Computers Management)

05/2010 - 04/2012

- Neville Wadia Institute Of Management Studies & Research, Pune

### University of Pune

Pune, India

#### B.Sc. (Computer Science)

09/2007 - 04/2010

- Nowrosjee Wadia College, Pune

## Personal projects, thought leadership and volunteering

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### Tools

#### Core Maintainer

12/2024 - Present

Building and maintaining [DataSeed](#) (Chrome extension to generate test data), [PlayPI](#) (API testing playground) and [HowTheyTest](#) (knowledge base of industry testing strategies with >6000 stars) on GitHub.

#### Taqelah (Test Automation Quality Engineering Lah!)

11/2018 - Present

I co-organize [Taqelah!](#), a Singapore-based meetup community for passionate Quality Engineering professionals. We have hosted more than 30 online and offline tech meetups with ~30-40 attendees, on software testing and quality engineering, where I am also a regular speaker.

#### Tech blog on Medium

#### Blog author

I like to express my thoughts, learnings and experience with testing and tech on my [Medium](#) blog.

#### Various testing conferences

#### Conference and meetup speaker

- Global Testing Retreat 2017
- Singapore Appium Meetup 2018
- Taqelah meetup 2019
- Softcon.PH 2019
- The Test Chat community training on unit testing 2020
- SeleniumConf 2020
- Taqelah meetup 2024

## Awards

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#### User Ambassador - Carousell Tech Toast May 2022

#### User Ambassador - Carousell Tech Toasts December 2021

#### Cognizant QE&A Maestro 2017

#### Cognizant QE&A Pride Award for H1 2016

#### Cognizant Testrix Hackathon 1st Runner-Up

#### Cognizant QE&A Associate of the Year 2014 - Pune Jury Awards 2014