

Top Tools for

**TESTING**



## API Testing Tools

Postman - Manual & automated API testing

REST Assured - Java-based API automation

SoapUI - Web services testing

Karate - BDD-based API automation

Apigee - API management & testing

Katalon Studio - API automation with UI support

## UI Automation Tools

Selenium - Web automation

Cypress - JavaScript-based UI testing

Playwright - Fast browser automation

TestCafe - End-to-end UI testing

Katalon Studio - No-code UI testing

## Mobile Automation Tools

Appium - Cross-platform mobile testing

Espresso - Android UI testing

XCUITest - iOS UI testing

Detox - React Native app testing

## Performance Testing Tools

JMeter - Load testing

Gatling - High-performance load testing

k6 - Modern performance testing

LoadRunner - Enterprise performance testing

Locust - Python-based load testing

## Code Management Tools

Git – Version control

GitHub – Cloud-based repository management

GitLab – Version control with CI/CD integration

Bitbucket – Repository hosting

SVN – Alternative to Git

## CI/CD Tools

Jenkins – Open-source CI/CD

GitHub Actions – Cloud-based CI/CD

GitLab CI/CD – Integrated pipeline in GitLab

CircleCI – Cloud-based CI/CD

Travis CI – Automated builds and testing

Azure DevOps – Microsoft CI/CD platform

## Test Management Tools

TestRail - Test case management

Jira (Xray, Zephyr) - Agile test

management

qTest - Enterprise test management

PractiTest - Cloud-based test case  
management

## Security Testing Tools

OWASP ZAP - Web security testing

Burp Suite - Security penetration  
testing

SonarQube - Code security analysis

Nmap - Network security scanning