

HARSHAL THITAME

QA Automation Engineer

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Summary

- 2+ years of experience in manual and automation testing for web-based applications.
- Excellent understanding of software development life cycle (SDLC), software testing life cycle (STLC), and Agile methodologies.
- Hands-on experience in developing and maintaining stable, concise automation frameworks using Selenide and Selenium WebDriver (test-driven, data-driven, hybrid) with a reusable functions library, improving code readability and maintainability.
- Hands-on expertise in locator strategies, including XPath, CSS Selector, ID, Name, and other locators for robust and maintainable UI automation.
- Strong knowledge of Java object-oriented programming (OOP) concepts, including abstraction, encapsulation, inheritance, and polymorphism.
- Experience in performing Functional Testing, Unit Testing, System Testing, Integration Testing, Regression Testing, Ad-hoc Testing, User Acceptance Testing (UAT), Exploratory Testing, GUI Testing, API Testing and Backend Testing.
- Experience using Apache POI for Excel integration with Selenium WebDriver in a Data Driven Framework.
- Proficient in managing CI/CD pipelines of automation frameworks using Jenkins and GitHub.
- Experienced in integrating test automation with Jira-Xray and Zephyr for test case management, traceability, and reporting.
- Adept at executing automated tests in parallel using Selenium Grid for scalable and efficient cross-browser testing in distributed environments.

Experience

Web Crypt Technology

Pune, India

QA Automation Engineer

06/2023 - Present

An enterprise-level Human Resource Management Portal designed for managing core HR operations, including employee onboarding, leave tracking, attendance monitoring, payroll processing, recruitment, and performance appraisals. The platform provided role-based access for employees, managers, and HR teams, with self-service capabilities and approval workflows integrated into dashboards.

Tools and Technologies:

Java, Selenium WebDriver, TestNG, Maven, REST Assured, Jenkins, Git, Selenium Grid, Apache POI, Allure Reports.

- Designed and implemented scalable automation test frameworks using Java, Selenium WebDriver, TestNG, and Maven, reducing manual testing effort by 60%.
- Performed comprehensive testing including Regression, Smoke, Sanity, Functional, and Integration testing to ensure application stability and performance.
- Created and maintained API test scripts using REST Assured, achieving over 90% coverage for backend service validation.
- Automated test cases for major modules like Onboarding, Leave, Attendance, Payroll, Recruitment, and Appraisal.
- Utilised Git for version control and implemented branch management strategies to streamline team collaboration.
- Executed cross-browser and parallel test cases using Selenium Grid, improving test coverage across multiple environments.
- Generated detailed test execution reports using Allure Reports, enabling better visibility of test results for QA and development teams.
- Implemented data-driven and keyword-driven testing strategies using Apache POI for dynamic data input from Excel sheets.
- Involved in the end-to-end testing of an HR Management System, including employee lifecycle workflows, payroll modules, and access control features.

Education

Masters in Computer Science

Pune

AT Indira College of Commerce and Science

06/2020 - 04/2022

Bachelors in Computer Science

Sangamner

At S. N. Art's B. N. S. Science College

07/2017 - 04/2020

Skills

Automation: Selenium WebDriver, Java, TestNG, Maven

Framework: Page Object Model (POM), Data Driven, Custom Retry Logic

Reporting: Allure Reports with Screenshots on Failure, Extent Report

API Testing: REST Assured (for HRMS backend APIs)

CI/CD: Jenkins, GitHub

Data Handling: Apache POI (Excel), JSON, Properties files

DevOps: Selenium Grid, Docker

Test Management: Apache POI, Postman, Maven

Project

OrangeHRM Web Automation

Worked on automating the open-source OrangeHRM demo application to simulate real-time QA automation scenarios. The application includes HR workflows such as employee management, leave tracking, time and attendance, and user role configuration. As part of this personal project, I learnt how to integrate Selenium tests with Jenkins CI/CD pipelines. I created Jenkins jobs to run tests automatically after code changes and also used Docker to run Selenium Grid for parallel browser testing. This helped me understand how automation works in real-time projects using tools like Jenkins, GitHub, and Docker.

Tools and Technologies:

Java, Selenium WebDriver, TestNG, Maven, Apache POI, Allure Reports, Jenkins, Git, Docker, Selenium Grid, GitHub

- Built a Page Object Model (POM) based automation framework using Java, Selenium WebDriver, and TestNG.
- Automated key functionalities like Login, Add Employee, Assign Leave, Time Sheet Approval, and User Role Management.
- Used explicit waits, custom reusable methods, and ThreadLocal WebDriver for parallel execution and thread safety.
- Integrated Allure Reports for visual execution reports with failure screenshots and environment details.
- Configured Jenkins pipelines to trigger test runs automatically through GitHub integration.
- Automated 50+ test cases across different modules with over 90% regression coverage.
- Gained hands-on experience with CI/CD, parallel execution, and advanced reporting.
- Improved test reliability by integrating custom RetryAnalyzer and screenshot capture logic.