THIRUMARAN

SOFTWARE AUTOMATION TEST ENGINEER

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Profile Summary

Software Automation Test Engineer with 6+ years of experience in Java-based automation testing for Web and Mobile applications. Strong hands-on expertise in Selenium WebDriver, Playwright, Appium, TestNG, and Cucumber (BDD) with Page Object Model framework design. Experienced in CI/CD automation using Jenkins and GitHub, cross-browser testing, regression automation, and Agile QA processes. Proven ability to reduce regression effort by up to 55% and improve execution efficiency by 40% through scalable test automation.

Technical Skill

- **Programming Languages** : Java
- **Automation Tools** : Selenium WebDriver, Playwright (Java) , Appium
- **Frameworks & Design Patterns** : TestNG, Cucumber BDD, POM
- **CI/CD & Version Control** : Jenkins, GitHub
- **Testing Types** : Functional | Regression | Smoke | Integration | UAT
- **Performance Testing** : JMeter
- **API Testing** : Postman

Work Experience

1. **Company Name**: Sankara Software Service Pvt Ltd, Chennai *Mar 2024 - Present*

   Designation: Software Automation Tester

   Project Name: Online Exam Portal (Web Application)

   - Analyzed business and functional requirements to design comprehensive test scenarios and test cases.
   - Validated UI and workflow behavior across multiple browsers to support automation coverage.
   - Automated regression testing using Java, Selenium WebDriver, TestNG, and Jenkins CI pipelines.
   - Designed and implemented a Selenium + Java automation framework using POM, improving maintainability and reusability.
   - Created and executed TestNG suites with parallel execution, reducing overall test execution time by ~40%.
   - Configured automation execution into Jenkins CI pipelines, enabling automated regression runs on every build and Managed source control and collaboration using GitHub.

   Project Name: Society Management Mobile Application (Android)

   - Performed functional, smoke, regression, and usability testing on Android devices.
   - Developed hybrid automation using Selenium + Appium with Cucumber BDD , improving readability for non-technical stakeholders.
   - Implemented Cucumber–TestNG framework configuration to support structured execution and reporting.
   - Developed and maintained Page Object Model–based automation frameworks for scalable test automation.

   Project Name: Project Management Tool (Web Application)

   - Validated functional and integration flows to identify automation candidates
   - Automated critical regression scenarios using Playwright with Java, improving coverage and execution reliability.
   - Developed data-driven automation, increasing test coverage and reducing duplication.
   - Verified API responses using Postman to support UI and integration testing.

2. **Company Name**: IINVSYS Pvt Ltd, Pondicherry *June 2023 - Feb 2024*

   Designation: Software Automation Tester

   Project Name: Smart Home Appliances – Mobile & Web Applications

   - Executed Embedded, IoT, and mobile application testing for smart home devices.
   - Automated mobile test scenarios using Appium (Java) with TestNG.
   - Conducted integration, system, and regression testing across connected devices.
   - Validated application stability, device compatibility, and end-to-end workflows across multiple environments.

3. **Company Name**: BIGSPIRE SOFTWARE PVT LTD, CHENNAI. *May 2021 - June 2023*

   Designation: QA TESTER

   Project Name: Fuel Purchase Management System

   - Configured and maintained Selenium WebDriver automation setup.
   - Analyzed and prioritized test cases suitable for automation.
   - Built BDD automation using Cucumber with Java, improving test clarity and collaboration.
   - Developed an automation sanity suite executed before every deployment, reducing overall testing effort by ~55%.
   - Integrated automation with Jenkins CI, enabling continuous validation.
   - Generated customized test execution reports based on client requirements.

   Project Name: Clear Metal *Nov 2019 - May 2021*

   - Executed automated test cases using TestNG framework.
   - Implemented parallel execution using TestNG suite files to improve execution efficiency.
   - Performed functional, smoke, and regression testing.
   - Logged, tracked, and validated defects using JIRA.

Key Achievements

- Reduced regression testing time by up to 55% by implementing pre-deployment automation sanity suites.
- Improved automation coverage by approximately 40% through reusable framework design and data-driven testing.
- Contributed to 97% defect-free releases across multiple projects by enforcing early defect detection and regression stability.
- Improved CI execution efficiency by enabling parallel test execution and optimized suite design.

Education

2013-2017

B.E-Mechanical Engineering

Anand Institute of Higher Technology-Chennai