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What are the top 10 best practices for test automation to follow in 2025?

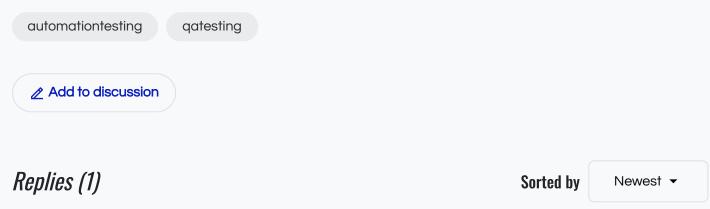👤 Viju   📅 11 Feb 2025   ⬚ 0   👁 44   💬 1   Share f in 𝕏

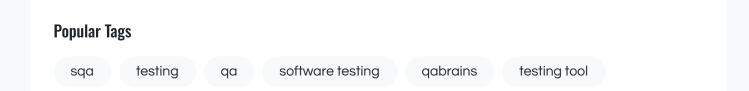In 2025, effective test automation relies on these best practices:

1. **Plan Before Automating**: Focus on high-value tests like regression and smoke tests.
2. **Choose the Right Tools**: Pick tools that fit your tech stack (e.g., Selenium, Cypress, Appium).
3. **Maintainable Code**: Write reusable, clean test scripts using design patterns like POM.
4. **Automate Critical Tests**: Focus on repetitive and high-risk tests.
5. **CI/CD Integration**: Integrate automated tests into your CI/CD pipeline for faster feedback.
6. **Parallel Test Execution**: Run tests in parallel to speed up the process.
7. **Handle Flaky Tests**: Ensure tests are stable by avoiding timing issues.
8. **Data-Driven Testing**: Use multiple data sets for comprehensive testing.
9. **Refactor Regularly**: Keep test scripts updated and efficient.
10. **Track Metrics**: Monitor pass rates, execution time, and bug detection to optimize automation.

Following these best practices will make your test automation more efficient and reliable in 2025.
For more detailed insights, check out our blog: [Top 10 Best Practices For Test Automation To Follow in 2025](#)

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