SAUCE*LABS*

HOW CAN YOU INCREASE DEVELOPMENT VELOCITY AND QUALITY IF YOUR TESTS CAN'T BE TRUSTED?

TRADITIONAL APPROACHES TO TESTING DON'T IDENTIFY CRITICAL RISKS EARLY ENOUGH

Most standard testing tools provide coverage at different points in the development pipeline—but they fail to identify risks that should be prioritized earlier in the development cycle.

Teams find that, even though they're testing more, quality stubbornly remains the same. No matter how many tests they write or how much coverage they have, outages and failures in production resist fast diagnoses or easy fixes. This inevitably leads to high-stress feature releases and a support team waiting on call to roll back if there's a problem—geared up to field urgent customer complaints for days until the issue is identified and resolved.

As the need for faster releases increases along with code complexity, many companies have tried linking existing tools together. But these solutions can't scale to meet new demands, so companies hit a wall of rising inefficiency and decreasing release velocity. Intractable bugs escape into production and continue to erode customer confidence and satisfaction, putting the entire business at risk.

EXECUTE THE RIGHT TEST AT THE RIGHT TIME— CONSISTENTLY

Successful apps delight customers with a flawless experience that delivers new features and updates quickly and frequently without impacting quality. Traditional monolith testing is too slow to provide the speed required in today's market.

With Sauce Labs integrated toolchain, you'll link best-in-class API, visual, and functional test tools that can be deployed as needed along the entire development lifecycle. You'll be able to break up your monolithic functional testing into smaller, more efficient tests—giving you more test coverage for less effort. With better depth and context, you'll generate more accurate test results and identify more specific remediations, which will speed overall production.

And that means you'll achieve faster issue discovery and resolution to create a better customer experience.

" We find issues early in the pipeline because we can run tests in parallel, so the teams get feedback much more quickly, and we can address issues before they ever get into our production environment. **"**

Ken LaBak
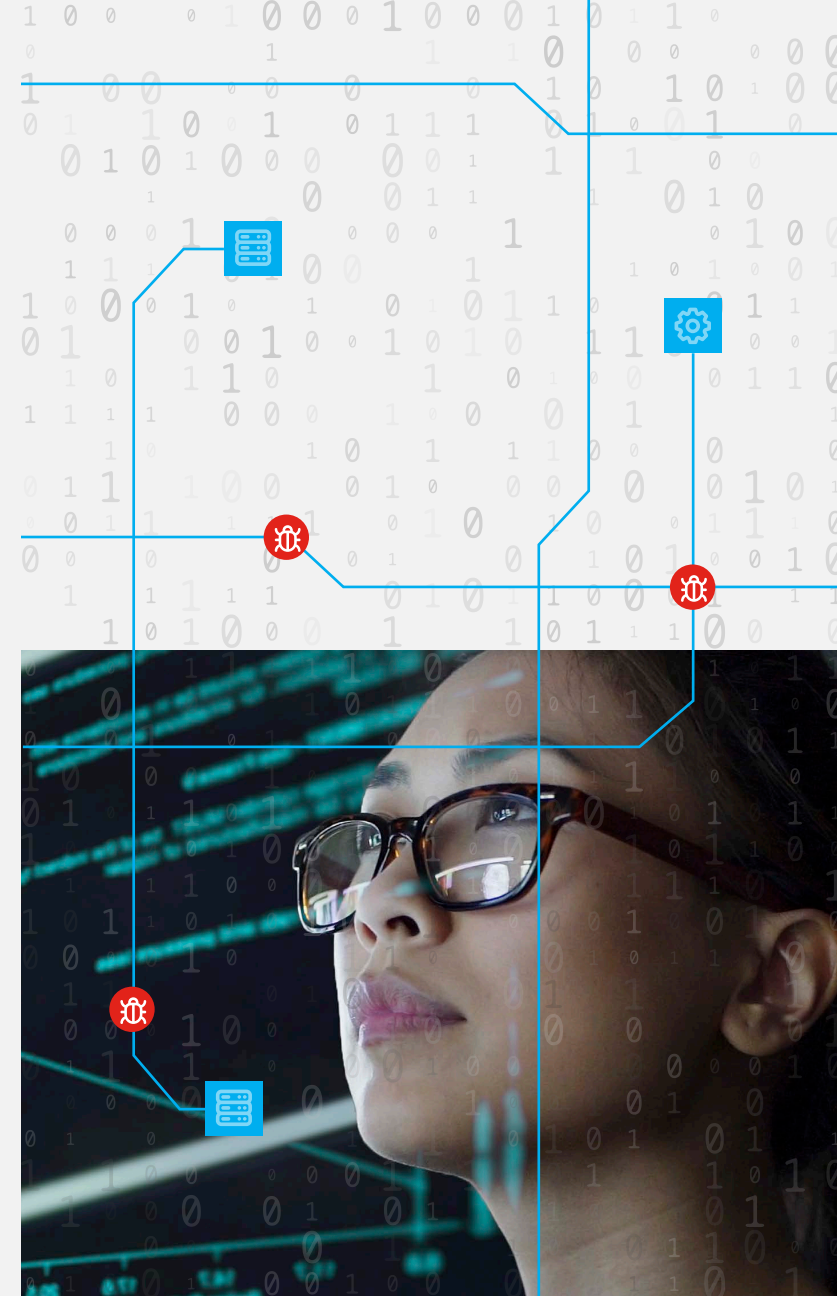Senior Software Engineer in Test, Quick Base

EASILY DISTINGUISH BETWEEN ACTUAL TEST FAILURES AND FLAKY TESTS

For many test failures, your teams have limited visibility into why—or even if—they're important. As a result, your testing teams and developers learn to ignore test failures instead of fixing the root cause.

With Sauce Labs, you'll optimize both test efficiency and effectiveness using proprietary machine learning algorithms that review pass/fail data along with Selenium and Appium command logs to unearth common failures and their impact on the entire test suite.

You'll aggregate patterns to predict failure so you can clean up flaky tests and avoid similar failures in the future. By streamlining detection and automating suggested test fixes, you'll improve your team's productivity.

That means you will be able to figure out when a test is failing for a good reason—and fix what matters—reducing both confusion and cost. In the end, better tests lead to better products.

> " Using Sauce Labs, Virtru can prevent issues by testing throughout its development pipeline. Running tests all day on beta or early-release versions of the different platforms we integrate with allows us to better serve our customers. "
>
> Daniel Crowley, Director of Engineering
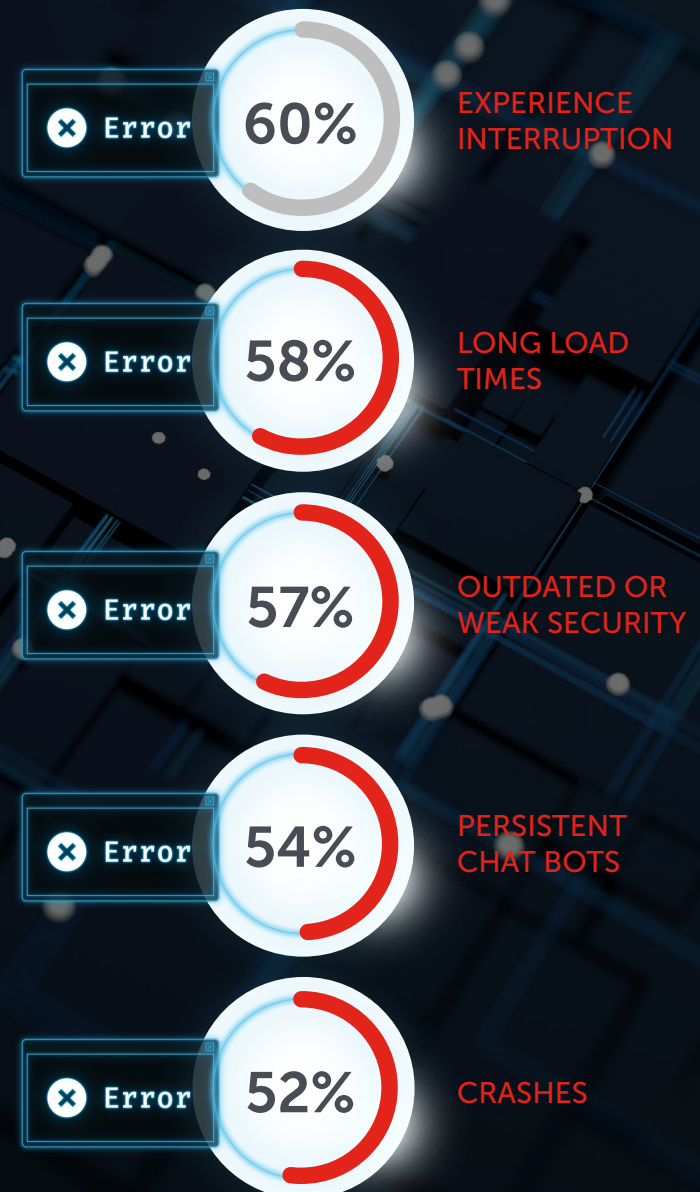> Virtru

DEBUG THE ERRORS THAT MATTER MOST FIRST

Error logs get full in the crush of development, and bugs pile up. And when that happens, critical errors can get missed or even escape into production.

With Sauce Labs, you'll use automated application error discovery and contextual prioritization in both pre-production and production, to ensure that issues that might affect users are found and fixed before release.

That means your team will be alerted to crashes and errors that are likely to have the most impact on your app's performance so they can resolve them immediately—before they impact user experience. Your teams will capture critical errors before you ship with automated capture and context. You'll reduce your MTTR (mean time to recovery) and improve your team's efficiency so they can deliver faster.

With automated error prioritization for mobile and gaming, you'll enhance the customer experience—and reduce customer churn.

TOP 5 ERRORS USERS HAVE NO PATIENCE FOR :

❌ Error	**60%**	EXPERIENCE INTERRUPTION
❌ Error	**58%**	LONG LOAD TIMES
❌ Error	**57%**	OUTDATED OR WEAK SECURITY
❌ Error	**54%**	PERSISTENT CHAT BOTS
❌ Error	**52%**	CRASHES

BOOST DEVELOPMENT SPEED WITHOUT SACRIFICING PRODUCT QUALITY

The pace of development and delivery will increase when you implement automated processes and best-in-class tools for greater efficiency and effectiveness.

With Sauce Labs, you'll use an integrated toolchain that lets you test more efficiently. You'll have automated tools that help you anticipate errors and avoid failures. And you'll be equipped to prioritize errors with the highest potential to impact your customers so you can find and fix them before release.

With Sauce Labs, you'll speed up your development and release cycles to deliver web and mobile applications that look, function and perform exactly as they should on every browser, OS and device, every single time.

Contact Us

Learn more at saucelabs.com

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