appvance IQ

	Then — Incomplete QA Regime · App Surpassed Specs · Quality Impeded Growth	**Now** — Comprehensive QA Regime · App Fully Mapped · Quality Supports Growth
Context	In 2019, a fast moving startup needed to transform the QA used by their highly distributed product organization. Design on one continent, dev on another and largely manual QA on a third worked for speed and cost, but not for high quality.	In 2020, this fast moving startup has a comprehensive QA regime, albeit one that remains labor-light. This enables their multi-continent product organization to operate effectively, making a virtue out of their distributed and lightly staffed QA structure.
Application Under Test	The AUT is a cross between a social media and content collaboration platform, with native versions for web, Android and iOS.	The AUT has grown significantly over the past year on all three platforms, but now is fully mapped, understood and tested by QA.
Staffing	An understaffed QA team wasn't able to keep up with the flow of new features. Developers tried to cover the QA gap, but couldn't do so in practice.	QA staffing continues to be minimal, focused mainly on prescriptive test flows for core functionality. Fortunately, AIQ massively augments the testing through compressive AI generated testing.
Testing Regime	Bare minimum testing required extensive manual script creation and execution for each of the three various platforms.	The full app is tested after every build throughout the day, simultaneously testing on all platforms. This enables rapid feedback to dev for a Shift Left effect.
Test Creation	Tests were manually created in Selenium, albeit this didn't cover the mobile platforms.	A compressive portfolio of test scripts are generated and executed by AI-powered AIQ after very build. This is aided by a "design for test" strategy that uses the data-tested HTML tag to all but eliminate script maintenance. Plus, focus-area scripts are rapidly created through AIQ's Test Designer.
Functional Coverage	Functional coverage was minimal overall and very lacking on the mobile platforms, which happen to be the primary usage platforms.	Functional coverage is now comprehensive across all platforms – browser, iOS and Android.
Production Bugs	Production bugs were an unfortunate regularity.	Production bugs are largely a thing of the past.
Reliability	User adoption was threatened because of bugs in a consumer walk-up-easy app.	User adoption is now unencumbered by quality problems, which are largely a thing of the past.

AI Highlight

After every build now, the regression tests run in about 30 minutes. Plus, a fresh script portfolio that covers new functionality takes just under an hour to generate and run.

This means that the dev team have access to the full battery of test results one hour after the build completes.

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In addition, dev leadership gets a daily synopsis of critical errors, so are alerted to any serious issues that may have snuck in to the latest build.

About AIQ

Appvance IQ is an AI driven, unified test automation system.

It delivers transformational productivity gains in test creation and execution via AI scripting and codeless test creation, and through unified functional, performance and security testing.

Appvance.ai is the leader in AI-driven testing, which is revolutionizing how software testing is performed. The company's premier product is Appvance IQ™, the world's first AI-driven, unified test automation system. AIQ empowers enterprises to improve the quality, performance and security of their apps, while transforming the efficiency and output of their testing teams.

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