appvance IQ

	Then	**Now**
	Manual QA No Scripts 10% Coverage	Automated QA 1.5K Scripts 100% Coverage
Context	In early 2019, a fast-growing fintech company found its growth and service delivery hamstrung by its manual QA. They couldn't hope to scale with the necessary development and growth milestones needed by the business.	Less than a year later, they are benefiting from a comprehensive QA regime, and one that is easily tracking along as they develop and deploy new apps on new platforms. Further, their resource commitments are low due to the transformational productivity enabled by the AI-powered AIQ system.
Applications Under Test	Several applications are under test, albeit they were all manually tested. Thus, QA wasn't integrated into the CI/CD toolchain.	The application portfolio is now tested automatically, with the testing regime integrated into their Jenkins-based CI/CD toolchain.
Staffing	The four QA product experts tested manually and had no automation experience.	The vastly expanded QA program doesn't require an expanded staffing commitment because of AIQ's AI powered productivity. A minimum of ten FTEs would be required if AIQ was not used.
Testing Regime	Roughly 1,000 use cases were documented, but weren't scripted for automation.	1,500 test scripts run nightly, fully CI/CD integrated and supporting their DevOps goals. This includes a full suite of regression, smoke, load and functional tests. Most of these scripts are AI-generated.
Test Creation	Testing was manual in creation and execution.	AIQ's AI test generation has developed almost 1,000 scripts, which it automatically updates as new or updated functionality is released. Additionally, several hundred tests were quickly created in AIQ's Test Designer to focus on high-priority use cases.
Code Coverage	Code coverage was probably about 10%.	The test portfolio now extends to ~100% code coverage across the entire application portfolio. Plus, it runs every night against the latest build.
Production Bugs	Code defects easily slipped into production builds, leading to regular production bugs of various severities.	Production bugs are a thing of the past. AIQ finds and flags defects so engineers can squash them before they get advanced to production.
Reliability	The application portfolio was prone to production bugs and performance issues. This caused business problems since they are used by end customers for financially sensitive operations.	Application reliability is vastly improved.

"AIQ found an error through automation that we would never have found manually." - CTO

AI Highlight

Some 1,000 AI-generated scripts run every night blueprinting the app. After seeing the AI-dashboard for the first time, which showed a number of missing files that would lead to an incorrect rendering of the UX, an engineering manager marveled "How can it do that? How does it know? Why didn't we see that?"

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QA Management Highlight

Dashboards document the results of AIQ's nightly test runs, including from both AI-generated and Test Designer created scripts.

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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