

Case Study



IoT + AI-Augmented Testing

Fully managed
AI-augmented QA

Up to 69% less time on
test creation

~2.4× faster automation
on average





An international IoT company building security hardware and software.

Three products under test: two mobile apps (iOS & Android) for device monitoring and a web admin platform.



Challenges



Automation backlog kept growing after two mobile apps joined the scope, but the team couldn't match the pace.



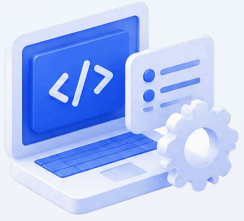
The time spent creating locators, Page Object templates, and boilerplate utility code **left less room to expand test coverage.**



Defect triage after each run **took hours as product bugs,** environment issues, and flaky tests all needed sorting.



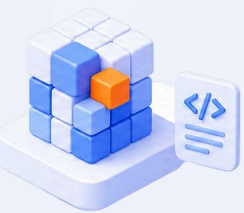
Solution



AI generated full automated tests, Page Object classes, and mobile locators from manual test steps.



AI parsed execution logs and stack traces, **categorized** failures, and **pointed** to probable root causes.



AI handled bulk pattern updates, **consolidated** duplicate logic, and **decomposed** large methods across the codebase.



Results



From 98-123
estimated
down to
46.75 actual
work hours



~2.4×
faster
automation
across 30
tests



Up to
69% less
time spent
on test
development





Tech:









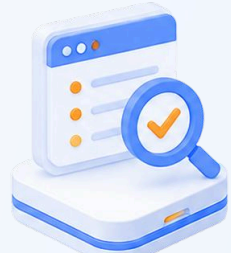
 Azure DevOps





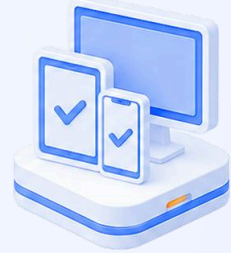
MCP Agents

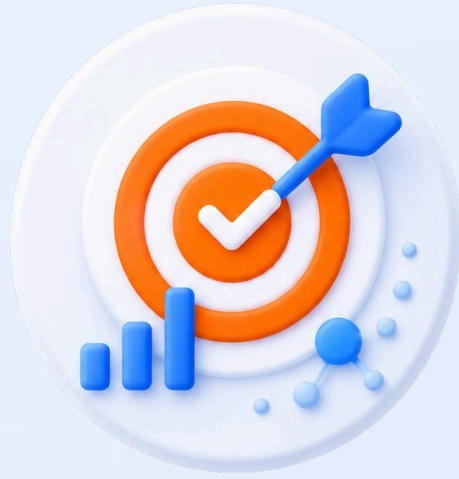
Key Testing:

 Functional testing

 Regression testing

 Smoke testing

 Compatibility testing



**Get measurable results
from AI-augmented testing**

Contact QATestLab

