



# QANTUM

## EXECUTIVE TEST AUTOMATION REPORT

v1.0.0.0 HYBRID ENGINE

### AMUSNET (Remote Candidate Demo)

Project: Q-Allright Autonomous QA

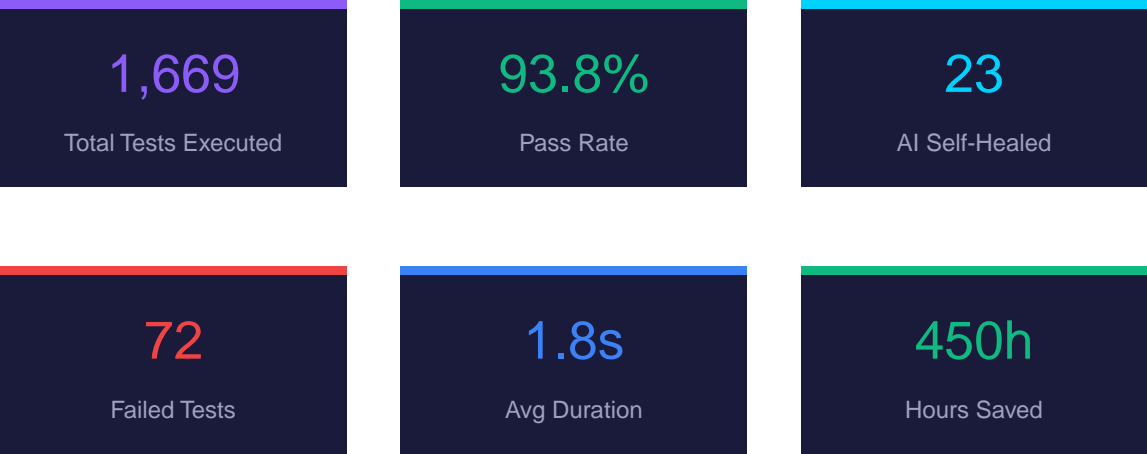
Report Period: January 2026

Generated: Sunday, January 11, 2026

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# ðŸ“š Executive Summary



## ðŸ“š Key Findings

ðŸ“š AI RECOMMENDATION

Based on test patterns, we recommend focusing on the Payment module which shows 12% higher failure rate. Implementing additional coverage here could prevent potential revenue loss.

# Return on Investment Analysis

\$82,500

Total ROI This Period

## Cost Breakdown

Hours Saved by Automation	450 hours	\$22,500
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## ROI Calculation Formula

ROI = (Hours Saved x Hourly Rate) + (Bugs Prevented x Bug Cost)

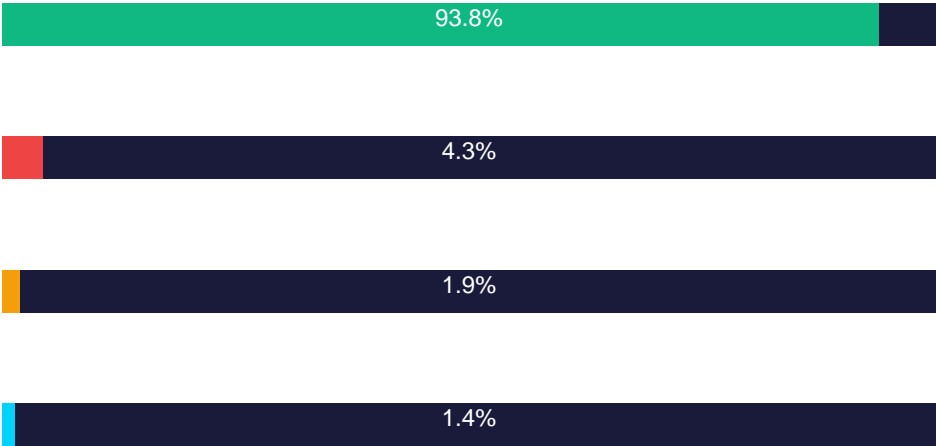
ROI = (450 x \$50) + (12 x \$5,000)

ROI = \$82,500

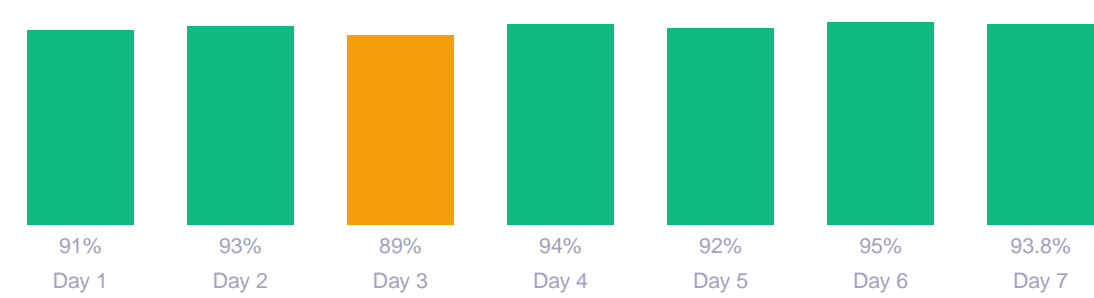
## Annual Projection

\$990,000

# Test Execution Metrics



## 7-Day Pass Rate Trend



## Detailed Statistics

50.1 minutes

1.80 seconds

0.3 seconds

12.5 seconds

33.3

16

# Ø=Ý AI Self-Healing Analytics

## Ø=Þàþ Healing Strategies Used



## Ø=ÜÜ Recent Healing Events



Ø>Ý AI Reasoning Example

Detected: Selector #login-btn is missing from DOM  
Scanning DOM for alternatives...  
Found: //button[text()='Sign In'] with 98% confidence  
Action: Updated Page Object dynamically '

# Ø=Ü; AI Recommendations

HIGH

## Improve Payment Module Coverage

The Payment module shows 12% higher failure rate than other modules. Consider adding more edge case tests.

Impact: Potential revenue protection: \$50,000/month

MEDIUM

## Optimize Login Test Suite

Login tests take 3x longer than average. Converting to API-first approach could reduce time by 70%.

Impact: Time savings: 2 hours/day

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## Enable Shadow Mode for Production

Running tests in Shadow Mode against production traffic can catch real-world issues before users report them.

Impact: Early bug detection improvement: 40%

LOW

## Update Selenium Grid to Latest Version

Current grid version is 2 releases behind. Updating could improve parallel execution stability.

Impact: Stability improvement: 15%

## Need Help Implementing These Recommendations?

Contact QANTUM Enterprise Support  
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