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QANTUM

EXECUTIVE TEST AUTOMATION REPORT

v1.0.0.0 HYBRID ENGINE

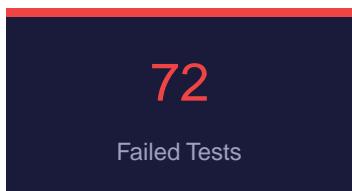
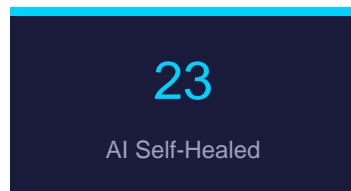
AMUSNET (Remote Candidate Demo)

Project: Q-Allright Autonomous QA

Report Period: January 2026

Generated: Sunday, January 11, 2026

Ø=ÜÊ Executive Summary



Ø<ß- Key Findings

Ø=Ü¡ 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.

Ø=Ü° Return on Investment Analysis

\$82,500

Total ROI This Period

Ø=ÜÈ Cost Breakdown

Hours Saved by Automation	450 hours	\$22,500
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Ø=ÜÐ ROI Calculation Formula

$$\text{ROI} = (\text{Hours Saved} \times \text{Hourly Rate}) + (\text{Bugs Prevented} \times \text{Bug Cost})$$

$$\text{ROI} = (450 \times \$50) + (12 \times \$5,000)$$

$$\text{ROI} = \$82,500$$

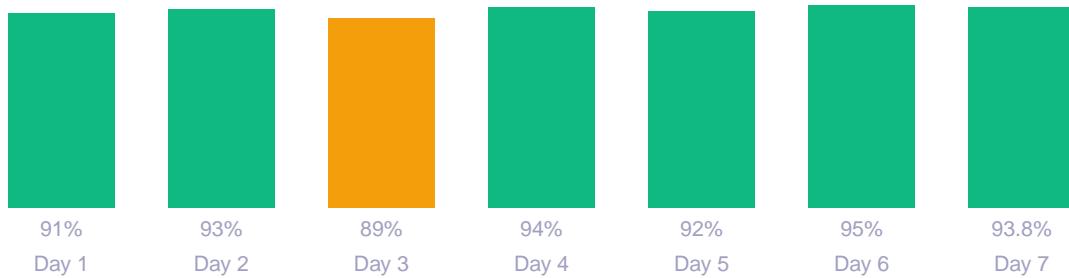
Ø=ÜÅ Annual Projection

\$990,000

Ø>Ýê Test Execution Metrics



Ø=ÜÈ 7-Day Pass Rate Trend



Ø=ÜÊ 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

- Strategy: data-testid | Confidence: 98%
- Strategy: attribute | Confidence: 95%
- Strategy: aria-label | Confidence: 92%
- Strategy: CSS selector | Confidence: 88%
- Strategy: semantic | Confidence: 85%

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

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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

enterprise@QAntum.ai | +1 (555) 123-4567