

WHAT PIXELS MISS, INTELLIGENCE CATCHES

GENAI-POWERED VISUAL TESTING FOR MOBILE DESIGN FIDELITY

Enterprise AI | Mobile / QA Engineering



INFLECTION POINT

- Pixel comparison couldn't keep pace with rapid mobile releases | False positives flooded QA pipelines and visual flaws consistently reached production undetected
- Baseline image maintenance grew with every release | A compounding maintenance spiral consumed QA resources without improving detection quality
- No design-intent layer existed in QA | Testing had no understanding of Figma specifications, design fidelity issues went undetected until post-release user reports

EXIQO™ ENGINEERED FIX

OptimaAI Platform: Unified GenAI-powered visual testing automation layer deployed across mobile pipelines, replacing pixel comparison with Vision LLM semantic analysis that understands design intent

Context Engineering: Figma references and UI semantics structured into testable context, enabling accurate design-intent interpretation and catching pre-release issues before they reach users

AI SDLC Playbook: Vision LLM integrated directly into Detox pipelines, enabling continuous semantic visual validation on every release without baseline image maintenance overhead

AI-EV Program: Fonts, colors, and spacing systematically scored against Figma specs with enforced pass thresholds, delivering consistent 90/100 design fidelity scores across every mobile release

70%+

reduction in manual visual verification through automated semantic design validation

90/100

design fidelity score consistently aligned to Figma specifications

40%

reduction in visual QA overhead

Phase 3

