

Maveric PULSE_{AI}

Quality You Can Measure, Velocity You Can Trust.

Development velocity has surged, with Agile, DevOps, and AI-driven coding compressing release cycles from months to weeks. Yet traditional automation alone cannot keep pace with the scale and variability of change. At the same time, rising system complexity means critical knowledge - test coverage, dependencies, and impact insights - remains trapped in individuals, creating invisible gaps that surface only in production. Compounding this, AI-native delivery chains are rewriting how software is built, accelerating throughput beyond what conventional QE can absorb. Together, these forces expose a fundamental truth: quality engineering must evolve from reactive testing to intelligent, continuous, and system-aware assurance embedded across the delivery lifecycle.

Our Promise

PULSE_{AI} continuous quality intelligence platform turns quality into a measurable, scalable capability. It ensures testable, gap-free user stories through intelligent acceptance-criteria enhancement, automates the full lifecycle from requirements to execution, defect logging, and reporting, and uses a domain repository to keep regression relevant and risk-focused. With this, PULSE_{AI} delivers 40% faster time-to-market, 35% reduced testing costs, and 100% improved test coverage.



Key Solution Components

▶ AI-Native Knowledge Management

A hybrid RAG knowledge layer combining vector and graph stores, fed by continuous knowledge ingestion. It curates domain assets (playbooks, prompt library, telemetry and documents) and provides governed retrieval to QE agents, ensuring context-aware, repeatable decisions across the test lifecycle.

▶ Cognitive Core

The core of the platform which orchestrates LLM inference with fine-tuning pipelines and model management. It powers semantic understanding, generation, and prioritization across workflows - turning requirements, defect history, and domain knowledge into actionable test designs and risk-aware insights.

▶ Preset Prompt Library Module

A curated library of persona-driven prompts that standardizes QA tasks across the STLC, from requirements analysis and test design to defect analysis, triage, and reporting. Enables consistent outcomes, faster onboarding, and repeatable workflows without relying on individual expertise.

▶ Conversational Workbench and UI

A chat-based interface embedded into QA ways of working to access prompts, workflows, and QE agents. Provides a single entry point for guided execution, quick assistance, and contextual actions, reducing tool friction and helping teams move from intent to execution faster.

▶ QE Agents and Workflows

Packaged agents and workflows that convert stories into design outputs: scenario creation, test case generation, and execution prioritization. Produces automation-ready BDD outputs for CIT/SIT/UAT and supports smarter regression planning using history-based prioritization and defect hotspot insights.

▶ UI Element Repository Builder

Automated component that discovers application elements and builds a reusable UI element repository for rapid orchestration of step definitions. A low-code automation script generator further automates these step definitions using pre-built components, driving successful automation of web/mobile/API based applications.

Measurable Business Outcomes



70% to >99%

comprehensive coverage including change impact, boundary conditions, edge cases, and regulatory compliance



40% faster

time to market through optimized test design, inline automation, and parallel execution



35% savings

via automation productivity gains, low-code adoption, and efficient test execution



20% reduction

in support costs through early defect detection and improved release readiness



50% increase

in automation adoption across teams with 60% productivity gains in test design and 30% productivity improvements in execution

Our Differentiators

AI-Native Architecture

Institutionalizes banking domain expertise through domain ontologies, semantic layers, and continuously evolving knowledge graphs—enabling automated understanding of business context, cross-system dependencies, and risk-driven quality insights at scale.

Low-Code Empowerment

A platform designed for technical, functional, and business users to collaboratively design, execute, and maintain automation—dramatically lowering adoption barriers while accelerating test automation scaling across squads.

Context-Aware Regression Intelligence

Deep understanding of business processes, functions, and cross-system dependencies enabling precise change-impact identification, accurate dependency mapping, and risk-based prioritization of critical areas.

Hands-Free Continuous Testing

Powerful BOT-based execution engine enabling unattended, on-demand parallel test execution with automatic test data ingestion from application databases, CI/CD integration, and real-time reporting.

About Maveric

Maveric Systems is a banking-exclusive technology specialist with over 25 years of domain expertise. We partner with global financial institutions to engineer trust in AI-first banking.

While others apply AI at the periphery, we embed it at the core through our proprietary AI @ Scale framework and AI-powered platforms and solutions. Guided by principles that engineer trust, we embed fairness, explainability, reliability, and compliance into every AI solution by design. This enables responsible AI adoption at scale. Our domain depth across operations and technology in retail and corporate banking, wealth management, and capital markets, combined with a pragmatic, outcome-driven delivery model, ensures that every AI initiative is rooted in contextual relevance and precision.

Backed by dedicated AI Centers of Excellence, a powerful ecosystem of technology platforms, and recognition from leading industry bodies, we are the trusted engineering partner for the AI era.