



Ticket-to-Test AI

AGENTIC QA COPILOT

From Jira ticket to complete test suite within 5 minutes. Transform your QA workflow with autonomous AI agents that think, plan, and self-correct.

Team Name: QualityOps
Team Members: Sahil Chauhan
Sruti Daga
Yash Sharma

 THE PROBLEM

QA Teams Are Drowning in Manual Work

2-3 Hours

Wasted per ticket
writing test cases
manually

40-70%

Of QA time spent on
repetitive
documentation

30% of Bugs

Reach production due to coverage gaps

The Real Cost

\$20 billion wasted annually on manual test case writing across the industry. QA bottlenecks slow releases while inconsistent quality creates risk.

Senior QA engineers become documentation machines instead of strategic quality leaders.

Market opportunity: 5M+ QA engineers globally—every agile team faces this challenge.

✓ THE SOLUTION

One-Click Transformation

Jira/Azure DevOps ticket → 5 autonomous AI agents → production-ready test suite within 5 minutes



QA Execution Roadmap

Comprehensive test strategy covering happy paths, negative testing, edge cases, and regression scenarios



Production-Ready Test Cases

Detailed steps, expected results, test data, and priorities—ready to execute immediately



Coverage Gap Analysis

AI identifies missing scenarios and generates clarification questions to ensure complete coverage



Universal Export

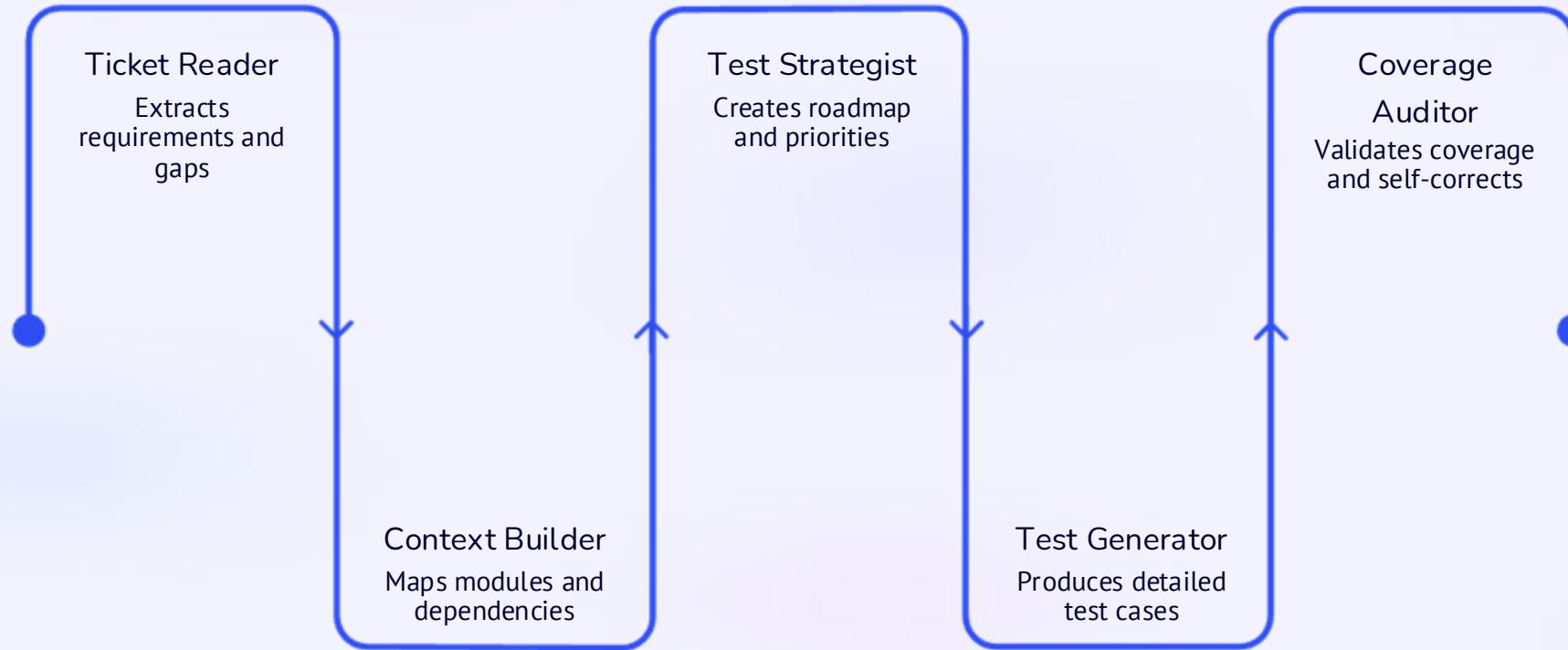
Excel format compatible with Jira, Xray, Zephyr, and any test management tool



Time investment: 4-5 minutes generation + 5 minutes review = 95% time saved

Truly Agentic Architecture

NOT JUST PROMPTING



Autonomous Decision-Making

No human-in-the-loop required during execution



Self-Correcting

Auditor validates and loops back to improve quality



Goal-Driven

Focused on achieving complete test coverage



Stateful Memory

Agents build on each other's work collaboratively

Technology stack: LangGraph orchestration powered by Gemini 3.0 with structured JSON outputs for reliability

Five Specialized Agents Working Autonomously

1

Ticket Reader

Extracts requirements and identifies gaps autonomously

2

Context Builder

Maps impacted modules and dependency chains

3

Test Strategist

Creates comprehensive QA roadmap by category

4

Test Generator

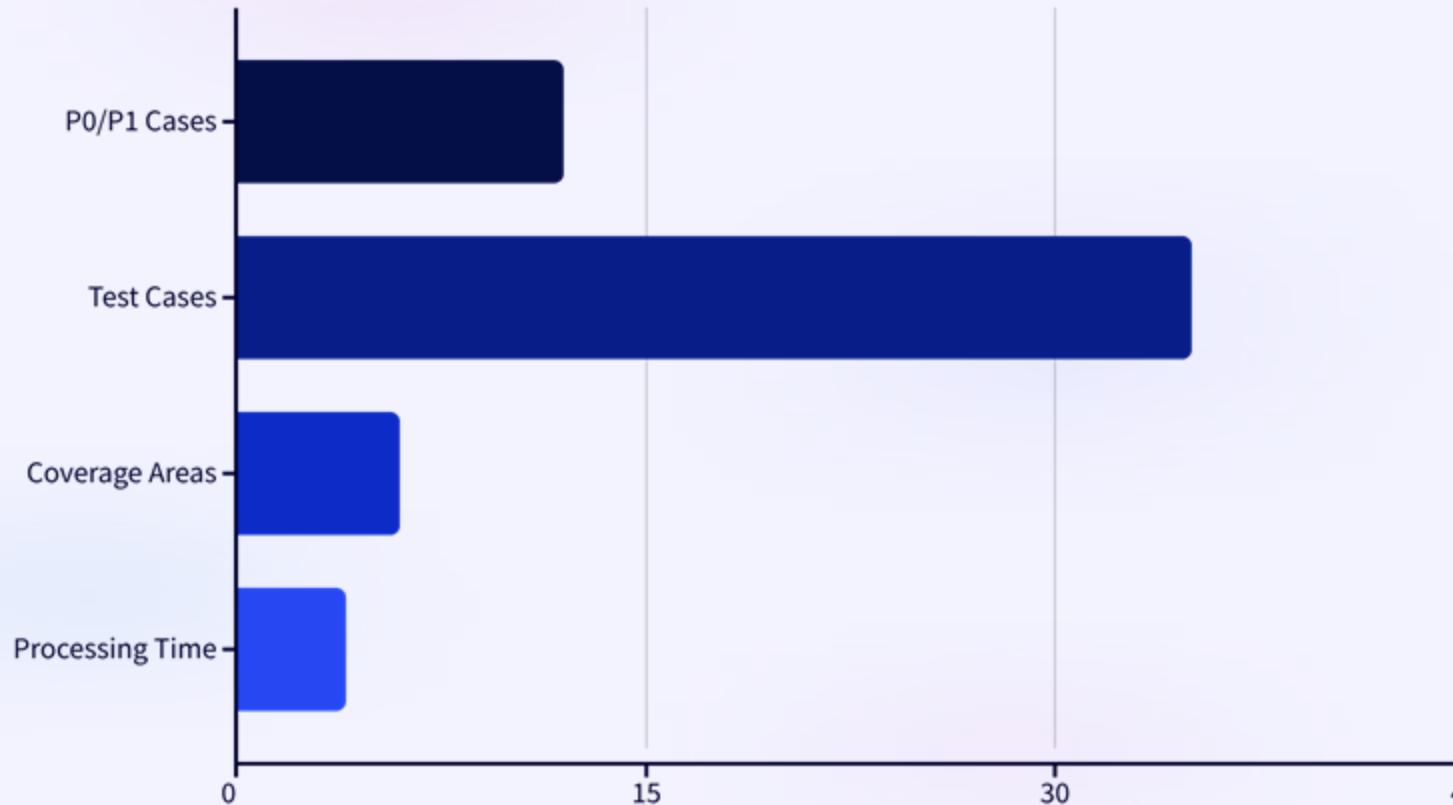
Produces detailed test cases with priorities

5

Coverage Auditor

Validates coverage, finds gaps, self-corre

Proven Performance



Real Results from Real Tickets

Our system generates 50-80 comprehensive test cases per ticket in just 4-5 minutes. Each suite includes 8-12 critical path scenarios and covers 5-7 distinct testing categories.

Production-ready accuracy: 85-90% of generated test cases require minimal or no editing before execution.

Full End-to-End System
Completely functional and tested

Streamlit Interface
Intuitive web-based UI

Real-Time Tracking
Watch agents work autonomously

Professional Export
Excel format for any tool

Sample Tickets
Bug, feature, and API scenarios

Deploy Today
Production-ready infrastructure

Measurable Business Impact

\$ ROI ANALYSIS

95%

Time Reduction

From 2-3 hours to 9 minutes per ticket

125

Hours Saved

Per sprint for a 5-person QA team

\$81K

Annual Savings

Per team after API costs

6,671%

Return on Investment

First-year ROI including implementation

Quality Improvements



Test Coverage Increase

AI discovers edge cases humans miss

Defect Leakage Reduction

Better coverage prevents production bugs

Team Consistency

Standardized format across all QA engineers

5-Person Team Economics

50 tickets per sprint – typical agile velocity

\$6,250 saved per 2-week sprint at \$50/hour loaded cost

\$1,200 annual API costs – negligible compared to savings

Value from day one – no training period required

Strategic Roadmap

MARKET FIT & FUTURE

✓ Target Market: 5M+ QA Engineers Globally



Fintech
Regulatory compliance and risk testing requirements



Healthcare
FDA documentation and validation standards



E-Commerce
High-velocity releases with zero downtime



Enterprise SaaS
Complex integration and multi-tenant scenarios

✓ Future Innovation Pipeline

Q1: Seamless Integration

Auto-sync with Jira/Azure DevOps—one-click deployment

1

Q2: Marketplace Launch

Atlassian and Microsoft marketplace listings

2

Q3: Auto-Execution

Selenium/Playwright integration for end-to-end automation

3

Q4: Predictive Quality

AI-powered risk analytics and self-healing tests

4

THANK YOU !!



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