



Suhas Bhairav

AI Security Questionnaire Assistant Guide

**Automate evidence-backed responses with expert review
for consistent customer security questionnaires**

A practical framework to draft consistent security
responses with automated evidence and human
review.

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Evidence Foundations for Questionnaires

This page defines what to automate in customer security questionnaires for IT and Security teams. It also lists data sources and tools, plus what requires human review.

Key move **Begin with a small pilot: map one questionnaire to one data source end-to-end.**

PRACTICAL CHECKLIST

- 01** Automate evidence collection from asset inventory, vulnerability scans, patch status, and policy documents.
- 02** Auto-generate questionnaire responses using trusted data sources and controlled prompts.
- 03** Maintain human review for novel controls, policy interpretations, and risk judgments.
- 04** Map questionnaire sections to standard controls (ISO/NIST) and assign owners.
- 05** Version-control all auto-generated answers with timestamps and sources.
- 06** Define data retention and privacy considerations for shared evidence.
- 07** Establish escalation path for uncertain or high-risk items.

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Questionnaire Automation Workflow

This page defines a practical, weekly adoption plan for IT/security teams. It shows the end-to-end workflow: data gathering, auto-answer drafting, review, and final approvals.

Key move Schedule a weekly review to adjust prompts and data mappings.

PRACTICAL CHECKLIST

- 01** Week 1: Identify and connect core data sources (asset inventory, config scans, policy docs) to a secure data hub.
- 02** Week 2: Create standardized response templates aligned to common controls (SOC 2, ISO 27001, NIST).
- 03** Week 3: Implement automated draft generation using a controlled prompt and data connectors.
- 04** Week 4: Introduce human reviewers for uncertain items; define escalation SLAs.
- 05** Week 5: Run a pilot with 2-3 questionnaires; measure consistency and turn-around time.
- 06** Week 6: Establish governance, ownership, and change-tracking in source control.
- 07** Week 7: Roll out to more questionnaires and gather feedback for refinements.

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Guardrails and Metrics

This page outlines guardrails, approvals, risk considerations, and how to measure success. It defines ownership and a simple change-management loop.

Key move Schedule a quarterly governance review to refresh prompts and controls.

PRACTICAL CHECKLIST

- 01** All auto-generated answers include sources, timestamps, and confidence levels.
- 02** Flag uncertain items for expert review with a ticket and SLA.
- 03** Require reviewer sign-off before final submissions.
- 04** Version-control templates and prompts; restrict updates to approved changes.
- 05** Access control and data minimization for evidence: limit sharing.
- 06** Track metrics: response time, consistency, and error rate.
- 07** Periodic audits and management reviews of the process.

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ABOUT THE CREATOR

Suhas Bhairav

I build AI systems that combine distributed architecture, retrieval, knowledge graphs, security, and practical workflow design. My focus is AI that can be used repeatedly by real teams: understandable, reliable, and grounded in the work people already do.

EXPERTISE

- Principal systems architecture and applied AI engineering
- Production-grade AI systems, agentic workflows, RAG, and knowledge graphs
- Full-stack workflow applications across AWS, Google Cloud, Azure, on-premise, and hybrid environments
- Practical AI implementation patterns for automotive, manufacturing, finance, logistics, cybersecurity, sales, and customer operations
- Security, governance, observability, approvals, and failure-mode thinking for operational AI systems

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