



Suhas Bhairav

AI Refund and Returns Guardrail Guide

**Practical guardrails for policy checks, approvals,
and audit-ready refunds.**

A practical, auditable framework to automate refunds
policy checks while preserving human oversight.

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suhasbhairav.com

Policy, Data, and Automation Scope

Define refund policies, map data sources, and set automation boundaries with clear human review triggers. This page outlines the decision points and evidence requirements to start the guardrail design.

Key move Run a 2-week pilot focusing on low-risk refunds to validate rules.

PRACTICAL CHECKLIST

- 01** Map refund types to explicit policy rules (full, partial, exchange).
- 02** Auto-approve low-risk refunds under defined thresholds with pre-set reasons.
- 03** Require evidence: order ID, reason code, payment status, and photos for damaged goods.
- 04** Identify data sources: OMS, CRM, payment processor, and fraud signals.
- 05** Tools: rules engine for policy checks, AI agent for compliance checks, audit logs.
- 06** Flag high-risk or exception cases for human review before completion.
- 07** Integrate decisions into the support ticket with complete evidence.

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Automation Rules and Exceptions

Differentiate what can be automated from what requires human judgment; establish guardrails and evidence flow. The page details evidence, data, and decision-flow to operationalize policy checks.

Key move Document every decision rule and exception rationale.

PRACTICAL CHECKLIST

- 01** Auto-approve refunds up to a defined amount for eligible customers within 30 days.
- 02** Require human review for high-value refunds or when fraud indicators exist.
- 03** Fraud indicators: mismatched email/device/IP, rapid repeated returns, new account high-value orders.
- 04** Evidence requirements: order ID, product SKU, reason, photos for opened items.
- 05** Data access limited to necessary fields; enforce data minimization and logging.
- 06** Audit trail: log rule IDs, decision, reviewer notes, and timestamps.
- 07** Customer communication notes added to ticket with status and ETA.

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Implementation Plan and Metrics

Adopt in weekly increments; assign owners; measure impact and adjust guardrails. This page provides a phased plan with ownership and success metrics.

Key move **Guardrails must be explicit; never auto-revoke without review.**

PRACTICAL CHECKLIST

- 01** Week 1: codify policy matrix; define decision owners (CS lead, Finance, Risk).
- 02** Week 2: configure rules engine; set thresholds; craft AI prompts; integrate with ticketing.
- 03** Week 3: run dry-runs with historical data; parallel manual reviews; adjust prompts.
- 04** Week 4: pilot live refunds under guardrails; monitor auto-approval rate and errors.
- 05** Week 5: review outcomes; update policy; publish guardrails; plan for wider rollout.
- 06** Metrics: auto-approve %, average handling time, escalation rate, customer satisfaction, audit completeness.
- 07** Ownership: policy owner, approval authority, and audit owner clearly defined.

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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

WEBSITE

suhasbhairav.com

EMAIL

suhasbhairav@gmail.com