



Suhas Bhairav

AI Product Release Readiness Guide

Practical playbook for product teams launching AI features.

A practical, phased checklist to scope, build, test, and rollout AI-enabled products.

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Define Scope & Automation

Define the AI feature, user impact, and measurable success criteria. Establish what is automated versus what requires human review.

Key move Lock scope and approvals before starting build to avoid scope creep.

PRACTICAL CHECKLIST

- 01** Clarify the AI feature, user impact, and measurable success criteria.
- 02** Define data sources, inputs, and required data quality for production.
- 03** Choose AI approach and tools (e.g., agentic workflows, Claude, ChatGPT) and required infra.
- 04** Assign ownership and approvals across product, privacy, security, and legal.
- 05** Decide what to automate in release prep (linting, tests, docs) versus human review.
- 06** Set initial scope boundaries and a 2–4 week pilot window.

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Quality, Docs, & Data

Establish concrete quality standards and robust documentation for the AI product. This page covers testing, data governance, and user-facing materials.

Key move Set up AI monitoring dashboards and recovery playbooks.

PRACTICAL CHECKLIST

- 01** Define performance targets (accuracy, latency, uptime) aligned with business goals.
- 02** Build a test suite: unit, integration, AI-specific checks, data drift tests.
- 03** Document data lineage, sources, features, and versioning to enable traceability.
- 04** Create model cards and product docs: user guidance, limitations, privacy notices.
- 05** Establish release notes, feature flags, and escalation paths for support.
- 06** Tools and data needs: version control, CI/CD for models, monitoring, data governance roles with automation where appropriate.

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Rollout Strategy & Ownership

Outline phased rollout plans, rollback options, and clear ownership. Include stakeholder communications and governance checkpoints.

Key move Define a rollback trigger and ensure on-call alerted.

PRACTICAL CHECKLIST

- 01 Adopt phased rollout: pilot with a user subset, then staged expansion.
- 02 Define rollout success metrics: adoption, satisfaction, error rate, and support load.
- 03 Predefine rollback steps: revert code, disable features, and notify users.
- 04 Assign permissions and ownership: who enables, monitors, and halts rollout.
- 05 Stakeholder communications: regular updates to executives, product peers, and customers (when appropriate).
- 06 Guardrails and approvals: mandatory security, privacy, and ethics sign-offs before release.

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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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