



Suhas Bhairav

AI Product Requirements Builder

**A practical template to convert product problems
into actionable AI requirements.**

Turn product problems into clearly scoped AI work
with measurable outcomes.

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suhasbhairav.com

From Problem to AI Scope

Translate a product problem into an actionable AI scope. Learn what to automate, what to review, and what to measure.

Key move Define one measurable product outcome this week.

PRACTICAL CHECKLIST

- 01** User problem to measurable outcome: state the top user goal and desired metric.
- 02** Assess automatable steps: identify repeatable tasks that feed AI outputs (data prep, prompts, evaluation).
- 03** Define data needs and access constraints: sources, freshness, quality, privacy, and governance.
- 04** Choose tools: baseline LLMs or agents, orchestration, monitoring, and integration with existing systems.
- 05** Define human-in-the-loop guardrails: which steps require review, and who approves changes.
- 06** Set acceptance criteria: success metrics, edge cases, and rollback criteria.
- 07** Plan weekly increments: small experiments, weekly reviews, and documented learnings.

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Automate What Matters

Decide which product tasks to automate and which stay human-reviewed. Identify data sources and tools required.

Key move **Guardrails and data governance accompany every automation.**

PRACTICAL CHECKLIST

- 01** Automate data gathering and normalization: collect usage data, logs, and feedback into a clean dataset.
- 02** Automate feature scoring and prioritization with objective metrics (impact, confidence, effort) using simple scoring models.
- 03** Automate generation of initial user stories and acceptance criteria from inputs.
- 04** Automate monitoring dashboards for AI outputs (accuracy, latency, drift) with alerts.
- 05** Tools and data: event streams, feature stores, prompt templates, versioned datasets, experiment trackers.
- 06** Human review: strategy alignment, user empathy, edge cases, and critical decisions.
- 07** Edge cases require clear escalation paths and owner approval.

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Weekly Adoption Steps

Implement this template in weekly sprints with clear ownership. Track metrics and adjust based on learnings.

Key move Be mindful of data privacy and governance; secure stakeholder alignment before scaling.

PRACTICAL CHECKLIST

01 Week 1: map problem-to-outcome for a small feature; assign a product owner.

02 Week 2: collect and clean a data slice; define success metric.

03 Week 3: build a minimal prompt template or agent flow; pilot with real users.

04 Week 4: run a shadow test or A/B test; compare outcomes.

05 Week 5: establish guardrails, human review, and decision rights.

06 Week 6: measure impact; decide to scale, adjust, or sunset.

07 Ownership: assign a cross-functional owner and a 90-day review.

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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