

MICHAEL HARVEY

MBA · PMP · BSEE

Applied AI Consultant — Engineering & Operations

AI that earns its keep.

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Most businesses are stuck experimenting with AI — many pilots, little payoff. I am an engineer and project manager who has actually built and shipped AI inside my own technical company: custom automation, retrieval-based knowledge assistants, and document-generation systems. I help organizations find the few use cases that will pay off, build them, and keep them earning — safely, and on a real timeline.

WHAT I DO

AI Opportunity Assessment

A fixed-fee diagnostic: I map your workflows, surface the highest-value use cases, and deliver an ROI-ranked roadmap with privacy and security guardrails.

Fractional AI Advisor

Ongoing, vendor-neutral guidance on retainer: roadmap ownership, build oversight, and hands-on enablement for your team.

AI Build Sprint

Fixed-scope build of your highest-ROI automations end to end — document generation, knowledge assistants (RAG), and reporting or monitoring agents.

AI Enablement Workshops

Practical, hands-on training that turns curious teams into confident, productive AI users — the fastest way to unlock everyday value.

WHY ME

- ▶ **I have shipped AI in my own business** — custom automation pipelines, a retrieval-augmented knowledge system over a technical library, and automated engineering-document generation. Working systems, not slideware.
- ▶ **20+ years engineering in mission-critical, regulated environments** — food, pharmaceutical, hospital, and battery applications across 100+ facilities worldwide. I speak ROI, compliance, and uptime.
- ▶ **Project-management discipline (PMP) and an MBA** — I run AI implementations as projects with scope, risk, and a defined finish line, so pilots actually reach value.
- ▶ **Vendor-neutral by design** — no product to push. My only goal is the result that shows up on your bottom line.

SELECTED WORK

- ▶ **Built a multi-step AI content pipeline** (research → brand → draft → quality review) that produces publication-ready technical articles for an industrial business.
- ▶ **Stood up a retrieval-augmented (RAG) knowledge assistant** over an engineering document library for instant, sourced answers.
- ▶ **Automated generation of complex engineering deliverables** — including heat-exchanger and chiller sizing briefs — cutting hours of manual work to minutes.
- ▶ **Deployed scheduled monitoring agents** that track external data sources and report changes automatically.

WHO I WORK WITH

Manufacturing & industrial · Food & pharmaceutical · Engineering & professional-services firms · Small & mid-size businesses ready to move beyond AI experiments.

Let's find the AI that earns its keep for you.

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