

AI Product Manager (Contract)

Onshore – Toronto, Canada | Hybrid | Immediate Start

At Budhhi, we don't build "AI features."

We build intelligent systems that solve real problems.

We're looking for a Senior / Principal-level AI Product Manager to lead the strategy, execution, and delivery of AI-powered products and client solutions. This is a high-ownership, client-facing, hands-on role for someone who understands AI deeply and knows how to turn it into products that ship, scale, and deliver impact.

This role sits at the intersection of product leadership, AI strategy, and execution — across Budhhi's internal platforms and external enterprise engagements.

What You'll Do

Own AI Products End-to-End

- Lead AI product strategy and roadmap from discovery to production and scale
- Translate complex AI capabilities into clear, actionable product requirements
- Own 0 → 1 launches and guide products through growth and maturity

Drive AI Strategy (Not Just Delivery)

- Shape GenAI, LLM, RAG, and intelligent automation product direction
- Partner closely with AI Architects, ML Engineers, and Data Scientists to make informed trade-offs (quality, latency, cost, risk)
- Define success metrics for AI products — beyond vanity metrics

Be Client-Facing & Consultative

- Lead AI discovery workshops, roadmap discussions, and solution definition with clients
- Act as a trusted advisor — confidently explaining what AI can and cannot do
- Bridge business goals with technical reality in executive and delivery conversations

Build With Rigor

- Own and refine product backlogs for AI-heavy systems
- Ensure alignment across engineering, data, design, and stakeholders
- Work with the design team to deliver human centric AI Products
- Make principled decisions under ambiguity — and stand behind them

What We're Looking For

Experience & Seniority

- 8–12+ years in product management, with significant AI / ML exposure
- Proven track record of shipping AI or ML-powered products into production
- Experience taking products from 0 → 1 and from 1 → scale

AI & Technical Fluency (Non-Negotiable)

- Deep understanding of LLMs, GenAI, and AI system design concepts
- Hands-on experience working with AI engineers, architects, UI/UX Design teams
- Ability to challenge assumptions, ask the right questions, and make informed trade-offs

Product Leadership

- Strong ownership mindset — you don't wait to be told what to do

- Comfortable operating in high-ambiguity, fast-moving environments
- Data-driven, outcome-oriented, and pragmatic

Client & Communication Excellence

- Confident leading client-facing conversations at both technical and executive levels
- Able to clearly articulate AI value, constraints, and risks
- Excellent written and verbal communication

Contract Details

- Engagement Type: Contract (extendable based on performance)
- Location: Toronto, ON (Hybrid)
- Start Date: Immediate
- Compensation: Market-competitive, premium for the right talent
- Future: Long-term partnership and extensions encouraged

Why Budhhi?

- Work on real AI systems, not slide decks
- High-trust, high-ownership culture
- Direct exposure to cutting-edge AI work across industries
- Opportunity to shape both internal platforms and client solutions
- A team that values clarity, integrity, and impact

Ready to Build What's Next?

If you're excited by owning AI products end-to-end, shaping strategy, and delivering real-world impact — we'd love to talk.

Apply now and let's build intelligent systems that matter