

AI Architect (Contract)

Onshore – Toronto, Canada | Hybrid | Immediate Start

At Budhhi, architecture is not documentation.

It's decisions, systems, and accountability.

We are hiring an AI Architect to design, build, and lead production-grade AI systems across Budhhi's internal platforms and external client engagements. This is a hands-on role for someone who has designed, shipped, and deployed real AI systems in the wild.

If you enjoy owning the “why, what, and how” of AI systems — and can back it up with code — this role is for you.

What You'll Do

Own AI Architecture End-to-End

- Design scalable, secure, production-ready AI architectures
- Lead architecture decisions for GenAI, LLM, RAG, and Agentic AI systems
- Own the platform for AI and enable the data scientists, ML engineers and system engineers

Be Hands-On (When It Matters)

- Build POCs and reference implementations to validate architectural choices
- Review and elevate engineering work — setting the bar for quality and rigor
- Step in to unblock complex technical challenges when teams are stuck

Lead with Authority (Internally & Externally)

- Act as Budhhi's AI architecture authority in client-facing engagements

- Lead technical discussions with senior client stakeholders
- Translate business problems into robust AI system designs — and explain the trade-offs clearly

Engineer for Reality

- Design for cost, latency, reliability, security, and observability
- Define AI evaluation strategies (quality, hallucination, regression, drift)
- Ensure Responsible AI principles are embedded by design, not as an afterthought

What We're Looking For

Seniority & Mindset

- 8–12+ years in software / data / AI engineering, with architecture ownership
- Proven experience shipping AI systems to production
- Leader mindset with strong ownership — you lead, not wait

AI & ML Depth (Non-Negotiable)

Deep hands-on experience with:

- LLMs & GenAI systems
- RAG architectures (embeddings, chunking, vector stores)
- Agentic / multi-agent AI patterns
- Classical ML and model evaluation
- Strong grasp of AI cost optimization, performance tuning, and security
- Experience defining and running AI evaluation frameworks
- Hands on experience of defining KPIs and setting up the telemetry

Engineering & Platform Strength

- Strong in Cloud-native AI architectures (Azure, AWS, GCP etc.)
- Experience with MLOps / CI-CD for AI systems
- Ability to code reference implementations (Python and/or TypeScript)
- Comfortable with modern data architectures (SQL, NoSQL, vector databases)

Communication & Leadership

- Able to explain complex AI systems clearly to technical and non-technical audiences
- Confident in client-facing architecture discussions
- Mentors engineers, data scientists and raises the technical bar around them

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?

- Architect real AI systems, not slideware
- High-impact work across internal IP and enterprise clients
- Deep focus on modern AI (GenAI, Agentic AI, RAG)
- Culture of ownership, clarity, and technical excellence
- Work alongside senior product, ML, and engineering leaders

Ready to Architect What's Next?

If you've designed and shipped AI systems, enjoy leading complex decisions, and want to build with purpose — we want to talk.

Apply now and help shape the future of intelligent systems at Budhhi.