

I ANALYZED HUNDREDS OF AI JOB POSTINGS

The Same 7 Skills Showed Up Everywhere

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Executive Summary

K-shaped split: traditional roles flat; AI roles surging. **3.2** AI jobs per candidate. **56%** wage premium. AI fluency workers: **7x** growth (1M→7M in 2 years). AI skills demand: **+109%** YoY.

Seven operational skills appeared in every category: specification precision, evaluation, task decomposition, failure pattern recognition, trust design, context architecture, token economics. Not ML theory. Not prompting. Operational competencies.

Metric	Value
Jobs per candidate	3.2:1
Wage premium	56%
AI fluency growth	7x (2 years)
Skills demand (Upwork)	+109% YoY
New AI/data jobs	2.6 million
Agent scaling rate	1 in 10
Token cost variation	100x across models
Plan-execute savings	90%
AI incidents	88% of orgs
Governance maturity	20%
Market (2025)	\$6.96B
Market (2031)	\$57.42B

1. The K-Shaped Market

Trajectory	Roles	Signal	Wage
Declining	Generalist PMs, standard SWEs	Flat or falling	Stagnating
Surging	AI/ML eng, MLOps, eval, context arch	3.2 jobs per candidate	56% premium

Indicator	Data	Source
Fluency (2023)	~1 million	Gloat
Fluency (2025)	~7 million	Gloat
Growth	7x in 2 years	Gloat
Demand (Upwork)	+109% YoY	Upwork
Specialist growth	+40%	WEF/IMF
New jobs	2.6 million	WEF
Wage premium	56%	Industry
Jobs/candidate	3.2:1	Labour data

“3.2:1 ratio. 56% premium. 7x growth. The skills gap is structural, not cyclical. Training pipelines cannot keep up.”

2. The Seven Skills

#	Skill	What It Is	Why It Matters
1	Specification precision	Literal, precise agent instructions	Agents cannot fill in blanks
2	Evaluation + quality	Testing if AI does a good job	Most cited skill; catches silent failure
3	Task decomposition	Breaking projects for multi-agent	Orchestration at scale
4	Failure pattern recognition	Diagnosing why AI systems fail	6 failure modes; silent = most dangerous
5	Trust + security design	Guardrails for agent behavior	Blast radius; authorization scope
6	Context architecture	Info supply systems for agents	Demo vs. production dividing line
7	Cost + token economics	ROI per token, per task, per outcome	100x cost variation; 90% savings possible

Six Agent Failure Modes

Mode	Description	Detection
Context degradation	Quality drops as session lengthens	Medium — performance metrics
Specification drift	Agent forgets original instructions	Medium — compare against spec
Sycophantic confirmation	Agent confirms incorrect data	High — needs independent verification
Tool selection errors	Agent uses wrong tool	Medium — tool call logging
Cascading failure	Failure propagates through chain	High — needs end-to-end tracing
Silent failure	Looks correct; functionally wrong	Very high — most dangerous

Token Economics

Dimension	Metric	Optimization
Token cost	Per input/output	Model selection; context pruning
Model routing	Which model for which task	100x variation; routing cuts 80%
Plan-execute	Frontier plans; cheap executes	90% savings vs. frontier-only
Retry cost	Failures + retries	Quality investment reduces retries
Human review	Oversight per task	Automation maturity reduces need

These skills appear in engineering, operations, product, and architecture titles. They are the operational layer separating orgs where agents work from orgs where agents are shelved.

3. The Skills Dependency Map

Skill	Depends On	Feeds Into
1. Specification	Domain knowledge	Evaluation (what to test)
2. Evaluation	Specification	Failure recognition
3. Decomposition	Spec + eval	Context arch (agent needs)
4. Failure patterns	Eval data	Trust design (what to guard)
5. Trust design	Failures + risk	Decomposition (guardrails)
6. Context arch	Decomp + trust	Token economics (context = cost)
7. Token economics	is above	Specification (budget shapes scope)

Skill	Eng	Ops	Product	Arch	Leadership
1. Specification	■■■■	■■	■■■■	■■	■
2. Evaluation	■■■■	■■■■	■■■■	■■	■■
3. Decomposition	■■■■	■■	■■■■	■■■■	■■
4. Failure	■■■■	■■■■	■	■■■■	■■
5. Trust	■■■■	■■■■	■	■■■■	■■■■
6. Context	■■■■	■■	■	■■■■	■■
7. Economics	■■	■■■■	■■■■	■■■■	■■■■

“Seven skills form an interconnected system. Weakness in any single skill undermines the others. The dependency map is the curriculum.”

4. OECD Context: Global Skills Gap

Factor	Data	Implication
Broadband	98.9% (adv.)	Infrastructure ready for AI work
Unemployment	5.0% (stable)	Tight labour intensifies skills competition
Youth	11.2%	Need AI skills for entry
Fluency growth	7x (2 years)	Demand accelerating faster than supply
Wage premium	56%	Enormous economic incentive to upskill
Jobs/candidate	3.2:1	Structural shortage
Scaling rate	1 in 10	Skills gap limits deployment success
AI maturity	1%	Near-universal capability gap
Governance	20%	Skills 4+5 critically underdeveloped

Transparency note: OECD does not directly measure the seven AI skills. Indicators combine OECD labour data with job posting analyses and enterprise research.

5. Practical Actions

- 1. Audit your org against all seven skills.** Score 1–5. Below 3 on any = deployment risk. The 1-in-10 scaling rate correlates directly with skills deficiency.
- 2. Hire for evaluation + failure recognition first.** These two determine whether deployments survive production. Evaluation is the immune system.
- 3. Build context architecture as dedicated function.** Dividing line between demo and production quality. Needs dedicated context architects.
- 4. Token economics as business discipline.** 100x cost variation. 80% savings via routing. 90% via plan-execute. Business model decisions, not engineering.
- 5. Treat AI output as if your name is on it.** The org — not the AI — is responsible for the result.

Action	Owner	Timeline
Seven-skill audit	CTO + CHRO	Q2 2026
Eval + failure hiring	CHRO + Eng	Q2 2026
Context arch function	CTO + CDO	Q2–Q3 2026
Token economics	CFO + CTO	Q2 2026
Accountability framework	CTO + Legal	Q2 2026

What to Watch

- AI operational competency as formal framework
- Wage premium trajectory: widening or stabilizing?
- Context architecture + evaluation as scaling keys

The Bottom Line

3.2:1 ratio. **56%** premium. **7x** growth. **109%** demand increase. **2.6M** new jobs. **1 in 10** scale. **100x** cost variation. **90%** savings. **88%** incidents. **20%** governance.

Seven skills. Not prompting. Not ML theory. Operational competencies that determine whether AI agents work or get shelved. The market has functionally infinite demand for these skills. Training pipelines are not keeping pace.

The same 7 skills showed up everywhere. Because these are the 7 things that determine whether AI agents actually work in production — and almost nobody has all seven.

Almost nobody has all seven. That is why the premium is 56%.

Thorsten Meyer is an AI strategy advisor who notes that a 56% wage premium means the market has priced in the scarcity — and calling yourself AI-native while your team cannot evaluate agent output is like calling yourself a restaurant while your kitchen cannot cook. More at ThorstenMeyerAI.com.

Sources

1. Gloat — 7x Growth, 1M→7M
2. Upwork — +109% YoY
3. WEF/IMF — +40%, 2.6M Jobs
4. Industry — 56% Premium, 3.2:1
5. McKinsey — 1 in 10; 1% Maturity
6. McKinsey/QuantumBlack — Evals
7. Anthropic — Demystifying Evals
8. Enterprise — 100x/80%/90%
9. Gravitee — 88%/14.4%
10. Deloitte — 20%/23%
11. Mordor — \$6.96B/\$57.42B
12. Spectraforce — Hiring 2026
13. OECD — 5.0%/11.2%/98.9%

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