

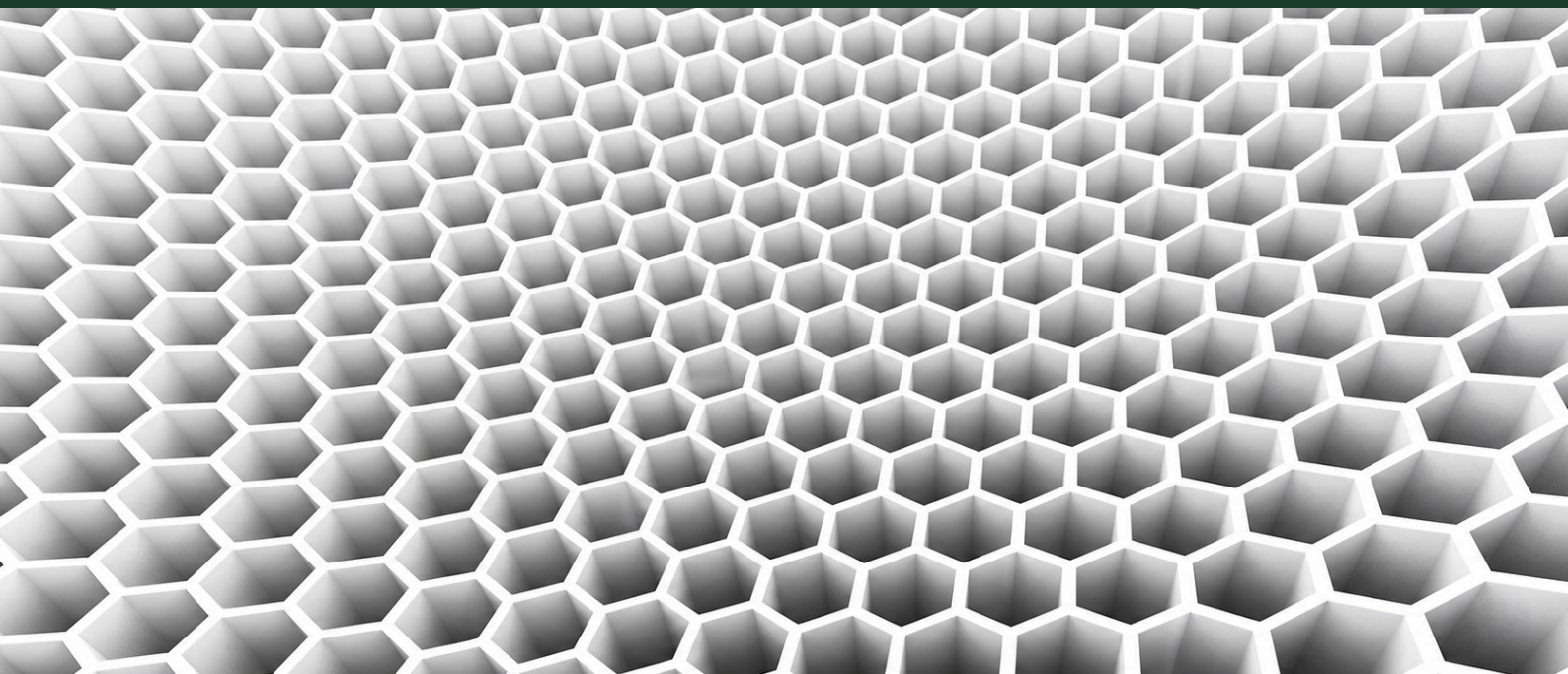
BEYOND THE GANTT CHART

The Skill Shift — What Programme Professionals Need to Learn

A Practitioner's Perspective on Capability Development for the AI-Augmented Programme Office

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January 2024



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Programme · No. 223

Originally written January 2024 | Re-edited and re-rendered for the WhereBeyond Edition, 2025

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1. The Competency Model That No Longer Fits

Programme management has, for the better part of two decades, operated within a remarkably stable competency framework. The skills that defined an effective programme professional in 2005 — stakeholder management, benefits realisation, risk governance, dependency tracking, financial control — remain the skills that define one today. Professional bodies have refined and expanded their frameworks, but the core has been consistent: programme management is fundamentally about orchestrating complex, interdependent change across organisational boundaries.

That stability is about to be tested. The rapid maturation of large language models and generative AI tools through 2023 has created a set of capabilities that intersect directly with programme management work. Not at the periphery — not in the administrative or clerical functions that have always been candidates for automation — but at the analytical and judgemental core of what programme professionals do.

The question this raises is not whether AI will change programme management. It plainly will, and the early signs are already visible. The question is what programme professionals need to learn — not to remain employable, which is the anxiety that dominates most discussions of AI and work, but to remain effective. The skill shift required is subtler and more demanding than most practitioners have yet recognised.

2. Where AI Meets Programme Work

To understand what needs to change, it is worth being precise about where AI capabilities intersect with programme management practice.

The most immediate intersection is in information synthesis. Programme professionals spend a disproportionate amount of their time assembling, reconciling, and summarising information from multiple sources: status reports, risk registers, financial trackers, stakeholder communications, dependency logs. Generative AI is already capable of

performing much of this synthesis work — ingesting large volumes of unstructured information and producing coherent summaries, identifying patterns, and flagging anomalies.

The second intersection is in scenario analysis and planning. Programme planning has always involved evaluating options, modelling dependencies, and stress-testing assumptions. AI tools can accelerate this dramatically, generating multiple planning scenarios, identifying schedule risks from historical patterns, and modelling the downstream effects of change requests in ways that would take a human team days or weeks.

The third intersection is in communication and stakeholder management. The production of board papers, programme reports, stakeholder briefings, and governance documentation is a significant part of programme management effort. Generative AI can produce first drafts of these artefacts that are, increasingly, structurally sound and contextually appropriate.

The fourth, and perhaps most consequential, is in pattern recognition across complexity. Large programmes generate enormous volumes of signals — small changes in velocity, emerging risks, shifting stakeholder sentiment, creeping scope. Human programme managers are limited in the number of signals they can track simultaneously. AI is not.

3. The Skills That Emerge

If these are the intersections, what are the new competencies they demand? In my experience, five capabilities are becoming essential, and none of them appears in any current programme management competency framework.

3.1 Critical evaluation of AI output

This is the foundational skill, and it is harder than it sounds. AI-generated analysis is fluent, structured, and confident. It presents its outputs with the same tone regardless of whether they are accurate, partially correct, or entirely fabricated. The programme professional who uses AI for information synthesis or scenario analysis must be able to evaluate the quality of that output with the same rigour they would apply to work produced by a junior team member — and, critically, with an understanding of the specific ways in which AI fails.

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This is not a generic "AI literacy" requirement. It demands deep functional expertise combined with an understanding of model behaviour: how AI handles ambiguity, where it tends to fabricate supporting evidence, how it manages contradictory inputs, and what types of reasoning it performs poorly. A programme director who uses an AI-generated risk assessment without understanding these failure modes is making decisions on a foundation they cannot trust.

3.2 Designing human-AI workflows

The current approach to AI integration in programme management is largely ad hoc: individuals experiment with tools, find uses that save time, and adopt them informally. What is missing is the deliberate design of workflows that allocate tasks between human and AI based on the strengths and limitations of each.

This is a design skill, not a technology skill. It requires the ability to decompose programme management processes into their constituent tasks, assess which tasks benefit from AI involvement and which do not, and design handoff points and quality gates that maintain rigour. It also requires the judgement to know where human oversight is genuinely necessary and where it adds ceremony without value.

The programme professionals who will be most effective are those who can design these hybrid workflows deliberately, rather than stumbling into them through incremental tool adoption.

3.3 Data architecture awareness

Programme management has traditionally been a discipline that consumes data but does not concern itself greatly with how that data is structured, stored, or governed. AI changes this equation. The quality of AI-generated analysis is directly dependent on the quality, structure, and accessibility of the data it operates on. A programme management office that wants to use AI effectively must understand data architecture — not at the level of a data engineer, but at the level required to ensure that programme data is structured in ways that AI tools can use.

This means understanding how data flows between programme management tools, where data quality issues arise, how to structure information for machine consumption rather than just human consumption, and how to maintain the data pipelines that AI tools depend on. It is a competency that most programme professionals do not currently possess and that most training programmes do not address.

3.4 Governance of AI-augmented decision-making

Programme governance exists to ensure that decisions are made with appropriate rigour, oversight, and accountability. When AI contributes to the analysis that informs those decisions — or, increasingly, generates the recommendations that decision-makers act on — the governance framework must adapt.

The skill required here is the ability to design governance structures that account for AI involvement. This includes defining what level of AI contribution requires explicit disclosure to decision-makers, establishing quality assurance processes for AI-generated analysis, and creating audit trails that make the AI's contribution transparent. It also includes the judgement to determine when AI-generated recommendations should be treated as inputs to human deliberation and when they can be acted on with lighter-touch review.

This is not a theoretical concern. Programme boards are already receiving papers and analyses that have been substantially generated by AI, often without explicit acknowledgement. The governance gap this creates is significant, and programme professionals are the ones best placed to close it.

3.5 Ethical and responsible AI practice

Programme professionals have always operated within an ethical framework — managing conflicts of interest, ensuring transparent reporting, maintaining the integrity of governance processes. AI introduces new dimensions to this responsibility.

The use of AI in programme management raises questions about intellectual honesty (when should AI contribution be disclosed?), about bias (what assumptions are embedded in AI-generated analysis?), about accountability (who is responsible when an AI-informed decision proves wrong?), and about workforce impact (how should programme professionals manage the anxiety and displacement that AI creates within their teams?).

These are not abstract ethical questions. They are practical challenges that programme professionals are encountering now, in early 2024, and for which the profession offers no guidance. The skill required is the ability to navigate these questions with integrity, making principled decisions in the absence of established norms.

4. What the Profession Must Do

The professional bodies that govern programme management — and the organisations that employ programme professionals — face a choice. They can treat AI as another tool to be added to the practitioner's toolkit, requiring perhaps a module on "AI awareness" in the next revision of the competency framework. Or they can recognise that the intersection of AI and programme management represents a fundamental shift in what the profession demands, requiring a substantive reimagining of how programme professionals are developed.

"Adding an AI module to an unchanged competency framework is the professional development equivalent of adding a digital chapter to a print-era textbook. It acknowledges the change without engaging with it."

The skills described above are not additions to the existing competency model. They represent a new layer of capability that sits across and above the traditional framework. A programme professional still needs stakeholder management and benefits realisation and risk governance. But they also need the ability to work with AI in ways that amplify rather than undermine these traditional competencies.

This has implications for how programme professionals are trained, how they are assessed, and how they are selected for roles. The programme director of 2025 will need a fundamentally different skill profile from the programme director of 2020 — not because the traditional skills have become less important, but because they are no longer sufficient.

5. The Window of Opportunity

There is a window, and it is not wide. AI capabilities are advancing rapidly, and the organisations that deploy these tools in programme management contexts will move faster than the profession's ability to establish norms and standards. The programme professionals who invest now in developing these new competencies will find themselves uniquely valuable — not as technologists, but as practitioners who can bridge the gap between what AI can do and what organisations need it to do safely, effectively, and accountably.

The risk of inaction is not obsolescence, at least not in the near term. It is something more insidious: a gradual erosion of effectiveness, as programme professionals find themselves increasingly reliant on tools they do not fully understand, producing outputs they cannot fully evaluate, within governance frameworks that no longer reflect how work is actually being done.

The skill shift is not optional, and it is not something that can be deferred until the technology stabilises. The technology will not stabilise — it will continue to advance, and the gap between what AI can do and what programme professionals are equipped to manage will continue to widen. The time to begin closing that gap is now, while the profession still has the opportunity to shape how AI is integrated into programme practice rather than merely reacting to its consequences.