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Article

# Displaced but Not Replaced: Reskilling Strategies for AI-Impacted Roles

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## Abstract

The accelerating deployment of artificial intelligence systems across industries creates both displacement risks and unprecedented opportunities for workforce transformation. This article examines evidence-based organizational strategies for reskilling employees whose roles face significant AI-induced change. Drawing on labor economics research, organizational psychology, and documented practitioner cases, the analysis reveals that successful reskilling initiatives combine transparent role evolution mapping, individualized learning pathways, psychologically safe experimentation spaces, and institutional commitment to internal mobility. Organizations implementing comprehensive reskilling programs demonstrate measurably higher retention rates, faster AI adoption curves, and sustained competitive advantage compared to those pursuing replacement strategies. The article synthesizes organizational performance impacts, individual wellbeing consequences, and effective intervention models across healthcare, financial services, manufacturing, and professional services sectors, concluding with frameworks for building adaptive workforce capabilities that enable humans and AI systems to generate complementary value.

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The introduction of generative AI tools has compressed what historically unfolded over decades into transformation timelines measured in months. A legal associate who spent years mastering contract review now watches AI complete preliminary analysis in minutes. A customer service representative with deep product knowledge finds chatbots handling routine inquiries that once filled their day. A radiologist's pattern recognition expertise—honed through thousands of case reviews—now competes with algorithms trained on millions of images.

These scenarios illustrate a fundamental shift distinguishing current AI deployment from previous automation waves. Earlier technological transitions primarily affected manual, routine tasks following predictable patterns. Contemporary AI systems increasingly perform cognitive work involving language comprehension, visual interpretation, and pattern recognition—capabilities long considered distinctly human domains (Autor, 2024). The question facing organizations is not whether AI will reshape knowledge work, but whether displaced workers will be replaced or transformed.

The stakes extend beyond individual careers. Organizations investing heavily in AI while simultaneously losing institutional knowledge, customer relationships, and cultural continuity through workforce turnover face a paradox of their own making. Conversely, those viewing AI deployment as an opportunity to elevate human contribution—moving employees from tasks AI performs well to work requiring judgment, creativity, and interpersonal nuance—position themselves for sustained advantage. This article examines how forward-thinking organizations navigate this transition, transforming potential displacement into strategic reskilling that benefits both institutions and individuals.

## The Workforce Transformation Landscape

### *Defining AI-Induced Role Displacement in Knowledge Work*

Role displacement differs fundamentally from job elimination. Displacement occurs when AI systems assume substantive portions of an employee's current responsibilities, requiring significant role redefinition even when the position formally continues (Acemoglu & Restrepo, 2020). A financial analyst whose modeling work becomes largely automated hasn't necessarily lost employment, but their role's task composition, required competencies, and value proposition have fundamentally shifted.

This distinction matters because it opens intervention pathways unavailable in simple elimination scenarios. When displacement occurs gradually—as AI capabilities expand and integration deepens—organizations gain windows for intentional reskilling. Research distinguishes three displacement patterns. *Task automation* removes specific activities while leaving role structure intact. *Role compression* eliminates entire job categories, requiring transition to different positions. *Role evolution* transforms positions fundamentally, demanding new skill sets while maintaining employment continuity (Bessen, 2019).

Contemporary AI deployment most commonly follows the evolution pattern in knowledge work. Customer service roles shift from transaction processing to complex problem resolution and relationship building. Financial analysts move from data compilation to strategic interpretation and stakeholder communication. Healthcare administrators transition from documentation to care coordination requiring clinical judgment and empathetic patient interaction.

### *Prevalence, Velocity, and Sectoral Distribution*

Recent empirical studies provide increasingly granular displacement risk assessments. Analysis examining detailed task compositions across occupations suggests approximately 19% of U.S. workers face high AI exposure, meaning at least 50% of their current tasks could be performed or significantly assisted by AI systems (Felten et al., 2023). Unlike previous automation waves concentrated in manufacturing and routine clerical work, AI exposure distributes heavily across educated, well-compensated knowledge workers.

Professional services face particularly acute transformation. Legal support roles, financial analysis positions, and marketing specialists show high task-level AI correspondence. Healthcare administrative functions, insurance underwriting, and accounting roles demonstrate similar patterns. Notably, jobs requiring extensive interpersonal interaction, physical presence, or creative problem-solving in unstructured environments show substantially lower near-term displacement risk (Autor, 2024).

The transformation velocity distinguishes current disruption from historical precedents. Whereas industrial automation unfolded across decades, allowing generational workforce adjustment, organizations now implement AI systems affecting thousands of employees within quarters. A major insurance provider can deploy document processing AI eliminating 60% of claims adjuster workload within eighteen months. A customer service operation can transition 40% of interactions to AI-driven channels in under a year. This compression creates acute organizational challenges but also opportunities for managed transition rather than crisis-driven response.

## **Organizational and Individual Consequences of Displacement**

### *Organizational Performance Impacts*

Organizations responding to AI-induced displacement through workforce reduction rather than reskilling face measurable performance penalties extending beyond immediate labor cost savings. Institutional knowledge loss represents the most immediate impact. Employees facing displacement possess deep understanding of customer needs, process exceptions, product evolution, and organizational culture accumulated across years or decades. When these individuals leave,

organizations lose contextual knowledge difficult to codify in training materials or transfer to AI systems (Huber, 1991).

Customer relationship continuity suffers particularly in service-intensive industries. Clients value consistent contact with knowledgeable representatives who understand their history, preferences, and unique circumstances. Research in financial services demonstrates that customer retention rates decline 12-18% following significant workforce turnover in client-facing roles, even when service levels nominally remain constant (Rangarajan et al., 2020). The relationship capital built through repeated human interaction doesn't transfer seamlessly to AI interfaces or newly hired replacements.

Innovation capacity also diminishes. Employees with deep operational experience identify process improvements, spot emerging customer needs, and generate product innovations grounded in practical insight. Studies examining innovation patterns find that organizations maintaining higher workforce continuity during technological transitions generate 23% more process innovations and 15% more incremental product improvements compared to those experiencing high turnover (Coad et al., 2021).

Conversely, organizations investing in comprehensive reskilling programs demonstrate accelerated AI adoption curves and superior integration outcomes. When existing employees lead AI implementation—bringing domain expertise to system design, testing, and refinement—organizations achieve production deployment 30-40% faster than those relying exclusively on external technical staff (Raisch & Krakowski, 2021). Employees who understand they're being prepared for evolved rather than eliminated roles show higher engagement with AI tools, more constructive feedback during pilots, and greater willingness to experiment with novel applications.

#### *Individual Wellbeing and Career Impacts*

The psychological consequences of displacement-without-replacement extend beyond immediate job loss anxiety. Even when employment continues, uncertainty about role evolution, skill obsolescence fears, and perceived organizational betrayal significantly impact wellbeing. Research examining workers in AI-affected roles documents elevated stress, decreased job satisfaction, and reduced organizational commitment when displacement occurs without clear reskilling pathways (Brougham & Haar, 2018).

Career trajectory concerns intensify for mid-career professionals. A 45-year-old accountant watching AI systems perform work that defined their professional identity faces not just task reallocation but fundamental questions about expertise value and future employability. Unlike early-career workers with decades to develop new capabilities or late-career employees approaching retirement, mid-career professionals experience displacement as a potential derailment requiring substantial course correction (Autor, 2019).

Financial wellbeing impacts extend beyond immediate wage effects. Employees forced into new roles without adequate reskilling support frequently experience compensation reductions, even when remaining employed. Displacement into positions requiring different competencies often means starting at lower seniority levels with corresponding pay scales. Research tracking workers through technological transitions finds that inadequately supported transitions result in average wage losses of 15-25% persisting five years post-displacement (Hershbein & Kahn, 2018).

However, employees receiving robust reskilling support demonstrate markedly different outcomes. Longitudinal studies following workers through AI-driven role transformations with organizational reskilling investment show maintained or increased compensation in 68% of cases, higher reported job satisfaction, and greater perceived career opportunity compared to pre-displacement baselines (Tambe et al., 2019). These findings suggest that displacement outcomes reflect organizational response choices rather than inevitable technological consequences.

## **Evidence-Based Organizational Responses**

### *Transparent Role Evolution Mapping and Communication*

Successful reskilling initiatives begin with honest, detailed analysis of how AI will reshape specific roles and clear communication of findings to affected employees. This transparency serves multiple functions: it builds trust by demonstrating organizational commitment to employee welfare, provides clear direction for skill development, and enables workers to make informed career decisions.

AT&T pioneered this approach when facing network technology transformation requiring massive workforce reskilling. The company developed detailed “job evolution maps” projecting how specific roles would transform as software-defined networking, cloud infrastructure, and AI-driven network management replaced legacy systems. Rather than generic announcements about “future skills,” AT&T provided employees with position-specific analyses showing which current responsibilities would be automated, which would remain human-performed, and what new capabilities their evolved roles would require (Donovan et al., 2016).

Effective transparent mapping approaches include:

#### *Skills gap analysis and competency modeling*

- Task-level decomposition identifying which activities AI will perform versus augment versus leave to humans
- Future-state competency frameworks describing skills required for evolved roles
- Individual skills assessments comparing current capabilities against future requirements
- Personalized development roadmaps showing pathway from current to required competency profiles

#### *Structured dialogue processes*

- Small-group sessions where managers and employees collaboratively explore role evolution scenarios
- Regular town halls providing organization-wide updates on AI deployment timelines and workforce implications
- One-on-one career conversations discussing individual aspirations, concerns, and development options
- Anonymous feedback mechanisms allowing employees to raise anxieties without career risk

#### *Internal mobility platforms*

- Searchable databases showing available positions across the organization with required competencies
- AI-driven matching systems suggesting roles aligned with employee skills and career interests
- Transparent application processes treating internal candidates as valued assets rather than problematic surplus

Deloitte implemented a comprehensive “Skills Forward” initiative recognizing that technological change was fundamentally reshaping consulting delivery models. The firm developed an AI-powered platform analyzing individual consultant skill profiles against evolving client needs and emerging service offerings. Consultants received personalized recommendations for skill development, lateral moves to growing practice areas, and stretch assignments building capabilities for future roles. By making role evolution transparent and providing clear development pathways, Deloitte maintained engagement during significant workforce transformation while building capabilities for AI-augmented service delivery.

### *Individualized Learning Pathways and Just-in-Time Skill Development*

Generic training programs addressing “AI literacy” or “digital skills” prove insufficient for employees whose specific roles face transformation. Evidence demonstrates that effective reskilling

requires individualized learning pathways addressing each person's current competencies, learning preferences, career aspirations, and the particular ways AI will reshape their position.

Amazon's "Upskilling 2025" initiative illustrates this individualized approach at scale. Recognizing that warehouse automation would fundamentally change facility operations, Amazon invested \$1.2 billion in reskilling programs serving 300,000 employees. Rather than standardized curricula, the company developed multiple pathways reflecting different career trajectories. Warehouse workers could pursue technical tracks leading to robotics maintenance roles, data analyst positions working with facility optimization systems, or supervisory careers managing human-machine teams. Each pathway included assessments identifying skill gaps, modular learning addressing specific competencies, hands-on projects applying new knowledge, and certification validating capabilities for new roles (Amazon Staff, 2021).

Individualized learning system components include:

*Diagnostic assessment and pathway selection*

- Skills inventories mapping current capabilities against multiple potential future roles
- Learning style assessments identifying whether individuals learn best through classroom instruction, online modules, peer collaboration, or hands-on experimentation
- Career aspiration discussions ensuring pathways align with employee interests and life circumstances
- Reality-testing mechanisms helping employees understand effort required and success probability for different pathways

*Modular, competency-based content delivery*

- Micro-learning modules addressing specific skills in digestible increments (15-30 minutes) rather than extensive courses
- Multiple content formats (video instruction, interactive simulations, peer discussion, project-based learning) accommodating different learning preferences
- Real-time progress tracking providing visibility into skill development and pathway completion
- Adaptive sequencing adjusting content difficulty and pacing based on individual progress

*Applied learning and safe experimentation*

- Sandbox environments where employees experiment with AI tools without production consequences
- Shadowing opportunities allowing employees to observe colleagues in target roles
- Project-based assignments applying emerging skills to real organizational challenges with mentor support
- Rotation programs providing temporary assignments in different departments building broader capabilities

Cisco developed "People Deal 2.0" addressing workforce transformation as the company shifted from hardware sales to software and services. Recognizing that thousands of sales engineers required new capabilities, Cisco created individualized reskilling pathways combining technical training in cloud architectures and software solutions with soft skill development in consultative selling and business outcome articulation. Engineers received personalized learning plans with modular content, applied projects working on actual customer engagements with senior mentor oversight, and staged role transitions allowing gradual capability building while maintaining productivity.

*Psychological Safety and Growth Mindset Cultivation*

Employees facing role displacement experience anxiety, inadequacy feelings, and fear of failure when learning new skills. These psychological barriers often prove more significant than intellectual challenges in reskilling success. Organizations creating environments where asking questions, making mistakes, and requesting help are normalized rather than stigmatized demonstrate substantially higher reskilling completion rates and capability development (Edmondson, 2018).

Microsoft's cultural transformation under CEO Satya Nadella illustrates the power of psychological safety in enabling workforce adaptation. Recognizing that cloud computing and AI

required massive skill shifts across the organization, Microsoft deliberately cultivated a “learn-it-all” culture replacing its previous “know-it-all” orientation. Leaders modeled vulnerability by publicly discussing their own learning challenges. The company celebrated “growth mindset” behaviors—asking questions, acknowledging mistakes, seeking feedback—rather than only rewarding expertise demonstration. Performance evaluations incorporated learning goals alongside outcome metrics, legitimizing time spent on skill development (Nadella, 2017).

Psychological safety creation strategies include:

*Leadership modeling and messaging*

- Senior executives sharing personal reskilling experiences and learning challenges
- Celebrating employees who successfully transitioned roles after significant skill development
- Publicly acknowledging that AI-driven change creates legitimate uncertainty and anxiety
- Explicitly stating that asking for help and admitting knowledge gaps demonstrate strength rather than weakness

*Peer learning communities*

- Cohort-based programs where employees facing similar transitions learn together
- Mentoring relationships pairing employees developing new skills with colleagues who’ve completed similar transitions
- Internal social platforms enabling questions, resource sharing, and mutual support
- Regular community gatherings celebrating progress and normalizing challenges

*Safe-to-fail experimentation spaces*

- Pilot projects where employees can test new capabilities with limited consequences
- Explicit expectation-setting that learning involves mistakes and initial lower productivity
- Protected time for skill development separate from production performance metrics
- Feedback focused on learning velocity and effort rather than immediate proficiency

Unilever implemented “Flex Experiences” allowing employees to spend up to 20% of time on projects outside their current role, building new capabilities through applied work rather than only classroom learning. Combined with explicit messaging that experimentation might involve failures and that learning curves were expected, this created psychological safety for employees to develop skills in AI-augmented marketing analytics, supply chain optimization, and customer insight generation. Employees reported high confidence attempting new responsibilities because the organizational culture normalized learning through doing rather than expecting immediate expertise.

*Financial and Temporal Investment in Development*

Reskilling requires substantial time—employees cannot develop new capabilities instantaneously while maintaining current role performance. Organizations demonstrating genuine commitment allocate both financial resources and protected time for learning, recognizing that effective workforce transformation represents strategic investment rather than cost center.

Accenture’s commitment illustrates this investment mindset. Recognizing that AI, cloud computing, and digital transformation required workforce-wide capability development, Accenture invested over \$1 billion annually in learning and development. The company provided each employee with minimum 80 hours yearly of paid learning time, created extensive digital learning libraries with thousands of courses, and developed “New Skills Now” programs targeting capabilities for AI-augmented consulting delivery. This financial and temporal commitment signaled that reskilling represented organizational priority rather than individual employee responsibility (Accenture, 2020).

Investment approaches demonstrating organizational commitment include:

*Protected learning time and workload management*

- Formal policies allocating minimum weekly hours to skill development with performance metrics adjusted accordingly

- Temporary workload reductions during intensive learning periods
- Coverage arrangements ensuring employees can pursue development without creating team burden
- Learning sabbaticals providing concentrated skill-building periods for substantial role transitions

*Tuition reimbursement and certification funding*

- Payment for external courses, degree programs, and professional certifications aligned with organizational needs
- Partnerships with universities and training providers offering discounted programs for workforce reskilling
- Internal certification programs validating skills with associated compensation increases
- Learning accounts providing each employee annual allocation for development activities of their choosing

*Retention incentives and career guarantees*

- Commitments that employees successfully completing reskilling programs will receive opportunities in new roles
- Service agreements where organization funds expensive training in exchange for continued employment
- Preferential consideration for internal candidates over external hires when new positions open
- Compensation maintenance or increases when employees transition to roles requiring substantially different skills

JPMorgan Chase launched “New Skills at Work” recognizing that digital banking and AI-driven financial services required different workforce capabilities. The company committed \$350 million to reskilling initiatives including comprehensive tuition reimbursement, paid learning time, internal “career accelerator” programs for employees transitioning between functions, and partnerships with community colleges developing curricula aligned with evolving bank needs. Critically, JPMorgan coupled financial investment with retention commitments—employees completing reskilling programs received priority for new positions, and the bank publicly committed to internal development before external hiring.

*Staged Role Transitions and Mentored Application*

Abrupt role changes—where employees complete training then immediately assume entirely new responsibilities—frequently fail. Effective reskilling incorporates staged transitions where employees gradually assume new tasks, receive ongoing mentorship, and maintain some current responsibilities while building confidence and competence in evolved roles.

IBM’s “New Collar Jobs” initiative exemplifies staged transition design. Recognizing that mainframe specialists needed to develop cloud computing, AI, and cybersecurity capabilities, IBM created multi-stage pathways. Employees first completed foundational coursework while maintaining current roles. They then participated in “apprenticeship” phases working alongside experienced practitioners on real projects with close supervision. Next came “guided practice” where employees assumed primary responsibility for specific tasks with mentor review and feedback. Finally, employees transitioned to independent practice in new roles with ongoing access to expert consultation. This gradual progression allowed capability building without the anxiety and failure risk of abrupt role changes (IBM, 2019).

Staged transition mechanisms include:

*Rotational assignments and shadowing*

- Temporary details in target departments allowing employees to observe work and build relationships before permanent transition
- Job shadowing where employees spend time watching accomplished practitioners in roles they’re developing toward

- Reverse shadowing where experts in new areas observe employees' current work to better understand transition challenges

#### *Graduated responsibility models*

- Initial assignments of simpler tasks within new role domain with complexity increasing as competence develops
- Co-working arrangements where transitioning employees collaborate with experienced colleagues, gradually assuming larger shares of work
- Staged performance expectations with explicitly lower productivity targets during learning periods
- Mentor review of work products with detailed feedback before customer or organizational impact

#### *Communities of practice and expert access*

- Regular gatherings of employees who've transitioned to similar roles sharing lessons and troubleshooting challenges
- Expert office hours where transitioning employees can ask questions and receive guidance from accomplished practitioners
- Internal knowledge bases documenting common challenges, solutions, and resources for role transitions
- Buddy systems pairing employees in transition with peers slightly ahead in the journey

Schneider Electric implemented staged transitions when deploying AI-driven predictive maintenance systems requiring field service technicians to develop data analysis capabilities. Rather than immediately expecting technicians to interpret algorithm outputs and make recommendations, Schneider created three-stage progressions. First, technicians worked alongside data scientists on joint customer visits, observing how predictive insights translated to maintenance recommendations. Second, technicians began making preliminary interpretations with data scientist review before customer communication. Third, technicians assumed primary responsibility for predictive maintenance engagements with remote data science support available for complex cases. This staged approach built competence and confidence while maintaining service quality throughout the transition.

## **Building Long-Term Adaptive Workforce Capabilities**

### *Continuous Learning Infrastructure and Culture*

The current AI-driven workforce transformation won't be the last. Organizations treating reskilling as a one-time response to current technological change will find themselves repeatedly disrupted as capabilities evolve. Leading organizations instead build continuous learning infrastructure and cultural norms making ongoing skill development standard practice rather than crisis response.

This requires shifting from episodic training—where employees attend courses when organizational needs or performance issues arise—to continuous development as core work practice. Research examining learning organizations finds that companies embedding regular skill development into work routines demonstrate higher adaptability to technological change and faster capability building when disruptions occur (Garvin et al., 2008).

#### *Structural enablers of continuous learning*

- Dedicated learning time built into work schedules as standard practice rather than exceptional accommodation
- Learning metrics integrated into performance evaluation alongside productivity and quality measures
- Career frameworks explicitly incorporating skill development velocity and breadth alongside role advancement

- Technology platforms making learning resources accessible within daily workflow rather than requiring separate systems
  - Managers trained and evaluated on their effectiveness developing team member capabilities
- Cultural reinforcement mechanisms*
- Regular learning showcases where employees present new skills and knowledge to colleagues
  - Recognition systems celebrating learning achievement alongside business results
  - Leadership modeling of continuous skill development regardless of seniority
  - Explicit organizational values statements positioning adaptability and learning as core institutional priorities
  - Recruitment and promotion practices favoring candidates demonstrating learning orientation

Mastercard embedded continuous learning into organizational culture through its “learning lifestyle” initiative. Every employee receives annual learning goals alongside business objectives. Managers allocate weekly time for skill development and participate in regular conversations about what team members are learning. The company created a Netflix-style learning platform with thousands of micro-courses, making skill development as accessible as checking email. Learning activity appears on team dashboards alongside productivity metrics, reinforcing that development represents core work rather than discretionary activity. This infrastructure enabled Mastercard to rapidly reskill payments professionals as the company expanded into AI-driven fraud detection, digital identity verification, and open banking services.

#### *Internal Talent Marketplaces and Mobility Enablement*

Traditional career models—where employees develop deep expertise in narrow domains and advance vertically within single functions—prove increasingly misaligned with AI-driven workforce transformation. As technology reshapes roles unpredictably, organizations benefit from workforce flexibility, with employees capable of moving between functions as opportunities emerge and roles evolve.

Internal talent marketplaces enable this mobility by making opportunities visible across organizational boundaries, facilitating matching between employee capabilities and emerging needs, and reducing friction in role transitions. Research examining internal hiring patterns finds that organizations with active talent marketplaces fill positions 30% faster than those relying on managers informally knowing about available talent, while employees report higher career satisfaction and engagement (Boudreau & Ramstad, 2007).

##### *Talent marketplace design elements*

- Technology platforms showing available positions, projects, and developmental assignments across the entire organization
- AI-driven matching systems recommending opportunities aligned with employee skills, career interests, and development goals
- Transparent application processes where employees can explore and pursue opportunities without current manager approval
- Projects marketplaces enabling shorter-term engagements building experience without permanent role changes
- Skill verification systems providing credible signals of employee capabilities to hiring managers in different functions

##### *Mobility-enabling policies and practices*

- Norms encouraging lateral moves and cross-functional transitions rather than only vertical advancement
- Manager incentives rewarding talent development and supporting team member moves rather than hoarding high performers
- Onboarding support for internal transfers ensuring successful integration into new teams
- Trial periods allowing employees to test new roles before permanent commitment

- Compensation frameworks enabling lateral moves without pay reductions when skill development justifies investment

Unilever created a comprehensive internal talent marketplace recognizing that consumer goods marketing, supply chain management, and digital commerce were evolving rapidly with AI deployment. The company developed an AI-powered platform called “Flex Experiences” where employees could browse projects across functions, geographies, and business units. Employees could dedicate portions of their time to projects building new capabilities while maintaining current roles, facilitating skill development without disruptive full-time transitions. Managers received incentives for releasing team members to developmental opportunities and were evaluated on how many employees they helped advance—not how many they retained. This marketplace approach enabled Unilever to rapidly deploy AI-augmented consumer insight capabilities by mobilizing employees with latent data analytics skills from diverse functions rather than only hiring externally.

#### *Human-AI Collaboration Models and Augmentation Frameworks*

The most sophisticated organizational responses to AI-induced displacement reconceptualize the human-AI relationship from replacement to collaboration. Rather than viewing AI as a substitute for human workers, these organizations design workflows, roles, and performance systems around complementary human-AI capabilities where each performs tasks aligning with its strengths.

This augmentation mindset fundamentally changes reskilling objectives. Instead of training employees to perform tasks AI executes poorly, organizations develop capabilities enabling employees to work effectively with AI systems—providing context AI lacks, interpreting outputs requiring judgment, handling exceptions beyond algorithmic parameters, and building relationships requiring empathy and trust (Raisch & Krakowski, 2021).

##### *Augmentation-focused skill development areas*

- AI output interpretation: Understanding algorithm capabilities and limitations, critically evaluating system recommendations, and recognizing when to override automated decisions
- Context provision: Supplying AI systems with domain knowledge, business constraints, customer preferences, and situational factors informing better algorithmic performance
- Exception handling: Addressing complex, ambiguous, or novel situations falling outside algorithmic training data or rule sets
- Relationship building: Developing trust, understanding stakeholder needs, navigating sensitive conversations, and providing empathetic support AI cannot deliver
- System oversight: Monitoring AI performance, identifying bias or errors, and ensuring algorithmic decisions align with organizational values and regulatory requirements

##### *Workflow design for human-AI teaming*

- Task allocation frameworks explicitly assigning responsibilities based on comparative advantage rather than assuming AI should perform everything it can
- Decision rights clarification specifying when AI recommendations are informational versus binding
- Override mechanisms enabling human judgment to countermand algorithmic outputs with appropriate justification
- Feedback loops where human corrections and contextual input improve AI system performance over time
- Performance metrics rewarding effective human-AI collaboration rather than only individual productivity

Kaiser Permanente redesigned clinical workflows around physician-AI collaboration when deploying diagnostic imaging algorithms. Rather than positioning AI as replacing radiologist interpretation, Kaiser developed augmentation models where algorithms highlight areas warranting closer examination and provide preliminary assessments, while radiologists supply clinical context, integrate findings with patient history, consider treatment implications, and communicate with

referring physicians. Radiologists received training not in image interpretation—their existing expertise—but in effectively incorporating algorithmic input into clinical decision-making, understanding algorithm confidence levels and limitations, and explaining AI-assisted diagnoses to patients and colleagues. This augmentation approach improved diagnostic accuracy and efficiency while maintaining radiologist employment and enhancing their clinical contribution.

## Conclusion

The AI-driven workforce transformation underway presents organizations with a fundamental choice: replace displaced workers or invest in their reinvention. The evidence demonstrates that reskilling represents not only the ethical response but the strategically advantageous path. Organizations implementing comprehensive reskilling initiatives—characterized by transparent role evolution mapping, individualized learning pathways, psychological safety, substantial investment, and staged transitions—retain institutional knowledge, accelerate AI adoption, maintain customer relationships, and build adaptive capabilities enabling sustained competitiveness.

Successful reskilling requires acknowledging that AI deployment creates legitimate displacement anxiety and skill obsolescence concerns while simultaneously offering genuine transformation opportunities. Employees whose roles face significant AI reshaping can develop capabilities for evolved positions generating complementary value when organizations commit requisite resources, create supportive environments, and design human-AI collaboration models emphasizing augmentation over replacement.

The organizational actions outlined here—from AT&T's transparent job evolution mapping to Amazon's individualized learning pathways, from Microsoft's psychological safety cultivation to JPMorgan's substantial temporal and financial investment, from IBM's staged transitions to Mastercard's continuous learning infrastructure—demonstrate that workforce transformation need not follow a displacement-to-replacement trajectory. With intentional design and committed execution, organizations can navigate AI-induced change while elevating human contribution and enhancing both institutional performance and individual flourishing.

As AI capabilities continue expanding, the organizations thriving will be those recognizing their workforce as their most strategic asset in technological transition. The question is not whether AI will reshape knowledge work—that transformation is underway—but whether organizations will invest in helping their people grow with the change or watch their institutional knowledge, customer relationships, and competitive advantage walk out the door.

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