Software Engineering Leader Mission-Critical Priorities (MCPs)

MCPs	Use AI to Accelerate Productivity Throughout the SDLC	Build and Integrate AI Applications and Agents	Establish Foundations for AI-Ready Software Engineering Technology	Innovate and Modernize to Improve Software Engineering Value Delivery and Costs	Future of Software Engineering: Reenvision Organization, Teams, Talent and Workflows
	80% Software Engineering teams will struggle to see productivity gains from using AI unless they apply it across the full SDLC.	Creating and delivering on their AI strategy is the **#1 Priority** for Software Engineering Leaders.	**60%** of Software Engineering Leaders expect to increase investments in AI-augmented tools, AI capabilities and AI skills.	Only **50%** of Software Engineering Leaders rate their teams highly effective in meeting target business objectives.	**68%** of software engineering organizations say AI-driven automation will cause all engineering roles to evolve.

Journey Steps

Use AI to Accelerate Productivity Throughout the SDLC	Build and Integrate AI Applications and Agents	Establish Foundations for AI-Ready Software Engineering Technology	Innovate and Modernize to Improve Software Engineering Value Delivery and Costs	Future of Software Engineering: Reenvision Organization, Teams, Talent and Workflows
Define Your AI Software Engineering Strategy, Measurements & Baseline	Build AI Engineering & Integration Skills Using AI Agent Frameworks & Integration Technologies	Select Software, Technologies & Processes to Ensure Readiness for Effective AI Software Engineering	Establish Measures of Software Engineering Value That Align With Broader Business Objectives	Assess Current Organizational Structure, Processes & Talent to Deliver on Evolving Priorities
Roll Out AI Coding Assistants & Agents	Prioritize High-Impact Use Cases Against Quality APIs, Performant Models & Trusted Data Sources	Modernize Architecture, Data Infrastructure & APIs for Scalability, Interoperability & AI Readiness	Pilot Use Cases to Modernize Development Practices and Technologies to Optimize ROI & Costs	Iteratively Transition Organizational Structure, Roles & Practices Toward AI-Native Software Engineering
Expand the Use of AI Agents to Additional Use Cases Across the SDLC	Select & Invest in AI Application Development Platforms	Implement AI Engineering Platforms to Enable & Expand Adoption of AI-Building Capabilities	Implement Programs to Identify & Reduce Technical Debt	Create Strategies to Evolve Roles, Skills, Technologies & Processes for AI-Native Software Engineering
Measure & Improve the ROI of Using AI Tools Across the SDLC	Build AI Applications With Test-First & AgentOps Practices for Reliability & Maintainability	Establish Governance Frameworks for Responsible AI Development, Standardized Tools & Secure Operational Practices	Use Platform Engineering to Scale & Enable Modern Practices & Technical Capabilities	Evolve Talent Strategies to Address New Organizational Structure, Skill Gaps & Engineering Practices
Scale & Optimize Agentic AI Tools Across the Organization	Maximize AI Value Through Scaling Use of MCP Servers/Clients & Integrating Agents			

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