

Generative Al powered Software Development Accelerator

Speed to GenAi Experimentation



Why Businesses Should Explore Gen AI based SDLC Acceleration?



Cost Savings & Resource Optimization

- Identification of efficiencies enhances SDLC productivity, ensuring cost effectiveness
- Streamlining processes boosts productivity, ensuring costefficient operations in SDLC



Enhanced Efficiency & Speed

- Enhancing Productivity and Expediting Operations within the SDLC Framework
- Accelerating Time-to-Market for Maintaining Competitive
 Edge Ahead



Improved Code Quality & Consistency

- Automates comprehensive code review, ensuring strict adherence to industry standards
- Establishes uniform coding patterns for enhanced consistency



Cultivation of Innovation & Adaptability

- Adapts to changes, fostering process flexibility, aided by Copilot's learning
- Inspires diverse ideas using AI insights and suggestions



Streamlined Collaboration & Communication

- Syncs teams for smoother SDLC transitions, better coordination and optimizing project execution
- Allows concurrent team collaboration via real-time tools for swift outcomes



Customer-Centric Solutions and Competitive Edge

- Anticipates, responds to evolving customer needs, ensuring agile adaptability
- Enhanced Market Positioning and Customer Satisfaction



Critical Success Factors

Align Gen AI with SDLC goals and business objectives for strategic synergy

Deploy scalable, high-quality AI tools effectively

Provide training to empower teams in effectively utilizing AI tools

Integrate strong security measures into
Al processes to protect data and prevent
vulnerabilities



GenAl in SDLC: Interventions & Opportunities

	Planning	Requirement	Design	Build	Modernize	Test	Release	Run & Operate
	PI Planning	User Workshop	Solution Design & Architecture	Develop Source Code	Discovery	Testing Strategy, Planning	Release & Roll Back Planning	Logging
	Epic, Feature Refinement Portfolio, Team Backlog Creation	Non-Functional / System Requirements Functional Requirements	User Experience / Design	Secure Coding Practices	Assessment	Test Case / Script Creation Integration Testing	Deployment Pipeline	Monitoring
				Code / Peer Review	Disposition, Impact Analysis			Knowledge Transition
	SAFe Team Kanban	Requirements Document	Infrastructure Design	Unit Testing		Vulnerability Testing	Implementation Playbook	Defect Fixing
	Sprint Metrics, KPI	Users Stories / Epics	Application Architecture	Defect Resolution	Design, Planning	NFR Testing	Post Go Live Validation	Deleger immig
	Measurement Daily Scrum, Sprint Reviews	High Level Design / Timeline	Logical & Physical Data Model	DevOps Automation	Migration, Upgrade, Modernization	Regression Testing	User Training	User Support
IMPACT:	Low High	Low High	Low High	Low High	Low High	Low High	Low High	Low High
SM	<u> </u>	0	0	0	0	0	0	0
ВА	0	0	0	0	0			
AR		0	0	0	0	0	<u> </u>	0
SD			0	<u> </u>	0	0	0	<u> </u>
QE				0		<u> </u>		
GenAl	Feature Prioritization Sample features based on business case Work item allocation	Sample features based on business case Work item allocation recommendations text Summarize workshop text Create requirements documents	Convert business reqs. to tech specs UX to UI design automation Create architectural	Generate code for specs Code Review Code Refactoring	App assessment for cloud compatibility Traceability & Impact Assessment	Test Strategy Doc Functional Test Case Anomaly detection - Data quality Test data generation	Deployment scripts conversion Create DevOps Pipeline Generate documentation / training material Generate release notes	Application log pattern analysis Alert anomalies Predict application failures
	recommendations		blueprints	Code error detect	Legacy application reverse engineering			Predict Usage &
		Create user stories/epics	Create design diagram UML	Code suggestions	Legacy code conversion	Test script generation	Generate status updates /	Recommend Scaling
		Requirements / Story / Spec - Language Translation		Code optimization	Regression test suite conversion	Regression - Test suite	reports	Documentation Creation
						automation		SoP Automation
	15%	20%	10%	30%	30%	30%	20%	15%



