Persistent

ExtenSURE.AI: A Deep Dive into Generative AI's Impact on Modern Product Engineering

Generative AI is rapidly emerging as a cornerstone of modern software development, much like how cloud technologies reshaped businesses over the past two decades. As enterprises worldwide integrate these AI-driven solutions, the strategic value of Generative AI becomes increasingly evident. In this session, we'll demonstrate how, by harnessing the power of Generative AI, you can elevate software development processes, moving beyond conventional constraints and setting new benchmarks.

ExtenSURE, Persistent's Modern Product Engineering Platform, offers a broad range of technical analysis, consulting and engineering capabilities across all phases of the software development lifecycle. ExtenSURE's platform engineering approach places a strong emphasis on framework-led, tools-driven, technical due-diligence and product assessments.

ExtenSURE — Persistent's Modern Product Engineering Framework

Sustenance Engineering	TDO	Knowledge Management	Code Health	Developers Insight	Debug Issues Faster	6R's	Cloud Readiness	Architecture	Portfolio Rationalization
	Technical Debt Optimization	Knowledge Islands / Loss / Risks	Structural Code Health Assessment	Developers Contribution / Fragmentation / Timelines	What happened, When, Where	Application Segmentation (Retire, Rehost, Rearchitect etc.)	Cloud Readiness, Software Health, Open-Source Safety	Architecture blueprinting, Critical flaws	

Security Assessment	IaC	Containers	K8	DaaC	Code Gen	Tech Due Diligence	Code Intelligence	Compliance	Cloud Security
	IaC Security Assessment	Dockers, Containers Configuration Checks	K8 Cluster Assessment	Automated Document Generation	Automated Code Generation	Risk assessment, Open-Source threats	Code monitoring, insights, tracking migrations	Compliance Checks (GDPR, HIPAA, PCI etc.)	

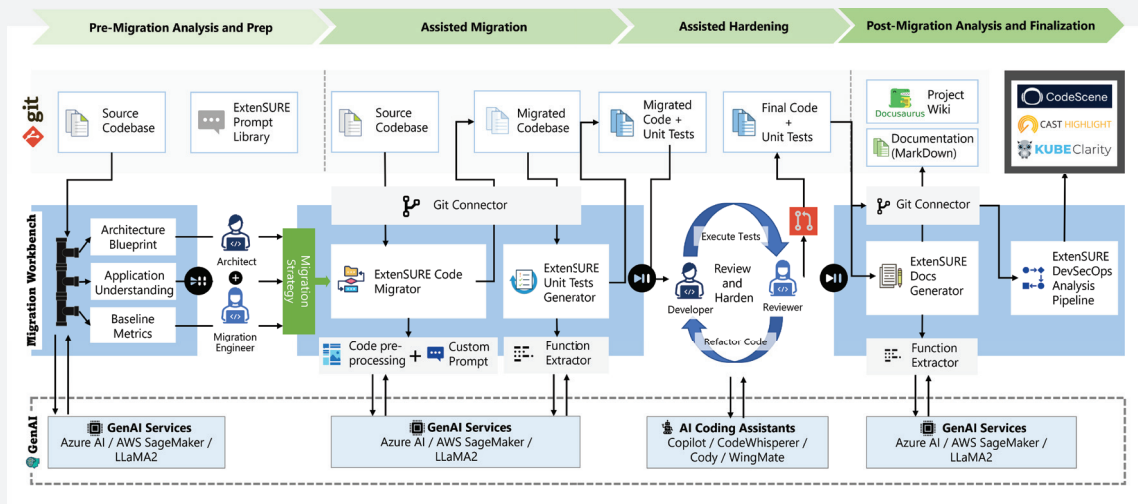| Quality Engineering	Functional	Performance	API	Resiliency	Test Data	DAST		Security	
	Low Code approach to functional test automation	Performance and Load Testing	API functional test automation	Chaos Engineering	Automating Synthetic Test Data Generation	Dynamic Application Security Testing		CIS, NIST, FedRAMP checks to assess the security of AWS, Azure, GCP	
	SAST	Compliance	Mobile	a11y	Exploratory	SCA		WAF	
	Static Application Security Testing	HIPAA, NIST, GDRP, PCI compliance checks	Mobile Application Testing	Accessibility Testing (WCAG)	Exploratory Testing	Open-Source Safety, License Risks, Obsolescence Risks, SBOM		Well Architected Framework checks	

Generative AI: Revolutionizing the SDLC Landscape

ExtenSURE.ai delves into the profound influence of generative AI on the Software Development Life Cycle (SDLC). It showcases the transformative potential of tools, enhancing every stage of a project from initiation to deployment. ExtenSURE.ai capabilities span a gamut of tools catering to a diverse range of technology stacks and programming languages, from industry giants like AWS and Google to specialized solutions like Cody and Katalon, as well as our proprietary offering, WingMate.

Synergizing Generative AI & ExtenSURE for Optimal Code Migration

Generative AI offers more than just individual tool capabilities. In this next demonstration, ExtenSURE showcases the synergy of various AI-driven functionalities, harmoniously integrated with the advanced governance, meticulous code reviews, and assisted remediation features of the ExtenSURE.ai platform. The result is a holistic, streamlined, and potent offering for code migration

About Persistent

With over 23,000 employees located in 21 countries, Persistent Systems (BSE & NSE: PERSISTENT) is a global services and solutions company delivering Digital Engineering and Enterprise Modernization. We work with the industry leaders including 14 of the 30 most innovative companies as identified by BCG, 8 of the top 10 largest banks in the US and India, and numerous innovators across the healthcare and software ecosystems. As a participant of the United Nations Global Compact, Persistent is committed to aligning strategies and operations with universal principles on human rights, labour, environment, and anti-corruption, as well as take actions that advance societal goals.

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