

AI in Guidewire SDLC

Flyer



Transforming Insurance Engineering with AI-Powered Delivery

Insurance organizations running Guidewire platforms are under constant pressure to deliver faster product launches, regulatory updates, and customer experience improvements. Traditional development models rely heavily on manual effort across requirements, development, and testing.

AI-enabled Guidewire Software Development Lifecycle (SDLC) changes this model.

By embedding AI across requirements, development, and testing, insurers can accelerate delivery, improve quality, and significantly reduce costs. Hexaware brings an AI-first, human-in-the-loop approach that augments Guidewire teams while ensuring alignment with Guidewire Cloud standards.

Current Ways of Working

Guidewire implementations today rely heavily on manual effort across the development lifecycle.

Requirements: Requirements are gathered through workshops and SME-driven discussions. Documentation and traceability are maintained manually, often leading to repeated clarification cycles.

Development: Developers write Gosu code, configure rules and entities, and build integrations manually. Impact analysis and code reviews are largely effort-intensive and time-consuming.

Testing: Testing spans SIT, regression, UAT, and performance cycles. While automation exists, test design, maintenance, and defect analysis still require significant manual effort.

Impact: Longer timelines, higher costs, and reliance on specialized resources.

AI-Powered Ways of Working

AI for Guidewire introduces intelligent assistance across every stage of the Guidewire SDLC.

AI in Requirements

From Conversations to Clickable Prototypes

- AI-assisted workshops
- Clickable Guidewire-like prototypes
- Auto-generated BDD user stories
- Faster stakeholder validation
- Reduced SME dependency

Result: Faster clarity, less rework

AI in Development

From Manual Coding to Intelligent Collaboration

- AI-driven impact analysis
- Automated PCF & Gosu code generation
- Integration scaffolding
- AI-assisted code review & refactoring
- Auto-generated documentation

Human-in-the-loop ensures compliance with Guidewire standards.

Result: Faster delivery, higher developer productivity

AI in Testing

From Automated Testing to Autonomous QA

- Autonomous test generation & scripting
- AI-driven regression optimization
- AI-based defect analysis
- End-to-end test orchestration

Result: Higher coverage, fewer defects

Hexaware's Approach to AI-Enabled Guidewire Engineering

Hexaware delivers a structured, scalable approach to embed AI into Guidewire programs—combining phased implementation with rapid value realization.

Months 1–2: Foundation & Early Gains

Establish AI readiness and enable early wins

- Deploy AI tools and enable Guidewire IDE integration
- Establish governance and responsible AI policies
- Train teams and drive change adoption
- Generate early prototypes and AI-assisted user stories

Start of value realization

Months 2–4: Pilot & Adoption

Validate impact through real project execution

- Execute AI-enabled pilot on Guidewire projects
- Build and expand prompt libraries
- Deploy client-specific model
- Pilot development and testing
- Measure productivity and cost savings

Months 4–8: Scale & Optimization

Expand adoption and maximize ROI

- Roll out AI across multiple Guidewire project teams
- Continuously refine models and prompt libraries
- Institutionalize AI-driven development workflows
- Implement agentic testing at scale and transition to autonomous QA

- Enable continuous model training, refinement, and ROI measurement

Parallel Track: Testing Transformation

Evolve QA from automation to autonomy

- Pilot agentic testing early in the journey
- Transition to autonomous QA during the scale phase

Outcome

Controlled adoption. Early value realization (within the first 1–2 months). Scalable, enterprise-wide transformation.

Business Impact

- Achieve up to 44% cost savings per user story
- Enable 50% faster requirements elicitation and documentation
- Accelerate development delivery with 40% less effort
- Reduce QA cycle time by 50%, enabling quicker releases

The Future of Guidewire Delivery

AI will not replace developers—it empowers them.

With Hexaware's AI-enabled Guidewire engineering framework, insurers can move beyond traditional delivery models to faster, smarter, and more scalable software development.

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About Hexaware

Hexaware is a global technology and business process services company. Every day, Hexawarians wake up with a singular purpose: to create smiles through great people and technology. With this purpose gaining momentum, we are well on our way to realizing our vision of being the most loved digital transformation partner in the world. We also seek to protect the planet and build a better tomorrow for our customers, employees, partners, investors, and the communities in which we operate.

With offices across the world, we empower enterprises to realize digital transformation at scale and speed by partnering with them to build, transform, run, and optimize their technology and business processes.

Learn more about Hexaware at <https://www.hexaware.com>.

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