


Healthcare Organization Accelerates Secure Development with Checkmarx Developer Assist

Key Takeaways

-  **50%** Faster Remediation
-  **60%** Cost Reduction
-  Reduced AppSec Workload

"A very powerful tool that was extremely helpful in accelerating fixes."

Industry

Healthcare

Location

United States

Competitor

GHAS with Copilot Integration

Solution

Checkmarx Enterprise with Checkmarx Developer Assist

A leading healthcare organization strengthened its software security program and developer productivity by adopting Checkmarx Checkmarx Developer Assist. By integrating AI-powered security guidance directly into developer workflows, the organization accelerated remediation, reduced costs, and improved collaboration between AppSec and engineering teams.

The Challenge

Balancing Security and Speed with Limited Resources

The organization faced increasing pressure to deliver secure, innovative applications faster while operating with limited AppSec staff. Its small security team was responsible for supporting hundreds of developers across multiple projects, creating bottlenecks and long remediation cycles. Each post-commit vulnerability fix required hours of effort and costly rework, distracting developers from innovation and slowing release cycles.

At the same time, leadership was evaluating new platforms to consolidate security tools and explore AI-driven capabilities. While alternatives appeared promising, the risk of losing historical triage data and disrupting established workflows created hesitation.

The Solution

Empowering Developers Through AI-Guided Security

Checkmarx partnered with the organization to modernize its AppSec approach using the Checkmarx One platform and Checkmarx Developer Assist. Checkmarx Developer Assist integrates directly into developers' IDEs, providing contextual, AI-powered guidance to identify and remediate vulnerabilities as code is written. This shifted security left, catching issues earlier, reducing rework, and empowering developers to take ownership of application security.

The unified Checkmarx One platform also protected many years of triage data, combined SAST, SCA, IaC, and Secrets scanning in one view, and enhanced visibility across the SDLC, reducing tool sprawl and ensuring consistent security practices.

The Impact

From Bottleneck to Collaboration

The development lead reported "overwhelmingly positive" feedback from developers across the organization, from junior engineers to senior staff, describing Checkmarx Developer Assist as 'a very powerful tool' that was 'extremely helpful in accelerating fixes.' Security guidance was now delivered in real time, allowing engineers to focus on development without waiting for AppSec reviews. The AppSec team reported that it 'shifted things to be more on the self-serve side,' relieving pressure and allowing security staff to focus on strategic initiatives.



"It shifted things to be more on the self-serve side, which relieved a lot of that pressure."



"How can we use AI to increase velocity while fixing vulnerabilities? That's where Checkmarx Developer Assist comes into play."

- **Reduced Security Team Pressure:** The implementation shifted security issue resolution to be "more on the self-serve side" which relieved "a lot of that pressure" on the small AppSec team tasked with keeping the enterprise safe. It's far easier to stay ahead of vulnerable code when detection and fixes happen where it's written: right in the IDE.
- **Real-time Identification:** The goal achieved by shifting to the IDE level was to empower developers with seamless, in-flow remediation. Vulnerabilities are identified in real-time as code is created by developers or AI agents, cutting mean time to remediation (MTTR) in half.
- **Supporting the SDLC:** The tool was found to be "very helpful" at upgrading packages, including transitive dependencies, a process that can often be complex. This functionality helps ensure that dependency updates do not introduce breaking changes, while accelerating developer velocity to free them up for more strategic challenges.

By embedding actionable security intelligence where developers work, Checkmarx transformed security from a reactive checkpoint to a proactive partnership.

The Results

Accelerated Fixes and Reduced Costs

Integrating Checkmarx Developer Assist into your development teams can deliver significant impact and measurable outcomes, including:

- Approximately 50% faster remediation of critical vulnerabilities.
- Around 60% reduction in remediation costs.
- Developers fixing vulnerabilities pre-commit rather than post-commit, reducing security debt.
- Improved dependency management with contextual guidance, preventing breaking changes and saving engineering time.
- Real-time detection and remediation across SAST, SCA, IaC, and Secrets scanning, keeping pace with AI-accelerated development.

Key Stats

Reduced Security Team Pressure:

Empowering developers to resolve issues directly in the IDE eased the burden on the small AppSec team by shifting remediation to a self-serve model.

Real-time Identification: Real-time vulnerability detection within the IDE reduced mean time to remediation by enabling developers to fix issues as they code.

Supporting the SDLC: Automated package and dependency upgrades streamlined development, preventing breaking changes and boosting developer velocity.

The Outcome

Secure Development at the Speed of Innovation

By integrating Checkmarx One and Checkmarx Developer Assist, the healthcare organization achieved a stronger, more efficient security posture. Developers now deliver secure applications faster, AppSec teams operate more strategically, and leadership has confidence in maintaining compliance without slowing innovation. The organization's partnership with Checkmarx continues to evolve—rooted in measurable outcomes, developer trust, and a shared focus on security at scale.

Discover How

Checkmarx One

can help your team scale secure development
without slowing innovation.

Get a Free Demo [➤](#)

Checkmarx is the leader in agentic AI, cloud-native application security that empowers the world's largest development organizations with real-time scanning and closed-loop remediation to boost developer productivity on security tasks by up to 50%. Based on the powerful Checkmarx One platform that scans over six trillion lines of code each year, Checkmarx is designed for large-scale, hybrid human and AI-assisted development teams.