GUARDRAILS | multisys

How GuardRails helped Multisys save 10% in Real-time Efficiency, 10% in PenTest Results, and Manage Their Critical Vulnerabilities

Industry: **Software Development**   Location: **Philippines**

Key challenges:

→ **On-going development and deployment of bug-free and risk-free apps and software.**

→ **Adhering to organizational software security standards.**

→ **Maintaining development speed and velocity in alignment with productivity and security requirements.**

→ **Aligning with Multisys' development secure-by-design approach.**

Identifying and remediating code-level security risks and managing critical vulnerabilities.
Today, every organization is a software organization, so code security is paramount. However, for a leading digital platforms and solutions provider like Multisys Technologies Corporation (Multisys), who develop platforms and solutions for their many customers, they take on a heightened level of importance.

Few would argue that software must be reliable, manageable, and scalable—that's code quality—but that can't ever be to the detriment of security. The days when quality and security were separate and at arm's length are long gone. The two are inseparable if you wish to maintain alignment with your organization's software security standards.

"GuardRails have been instrumental in enhancing the security of our code and aligning it with our secure-by-design approach. With its help, we are able to effortlessly identify security risks at the code level and ensure compliance with security requirements."

**(Jinggo Villamor, CTO at Multisys)**

Lorem Ipsum

About Multisys

Multisys was founded as a company of one in the Philippines in 2010. Their expansion took off in 2016-17 when they built and established their own secure-by-design and rapid development tool, allowing them to develop platforms with unprecedented speed and accuracy. Once they established their own eGovernment department and other eGov platforms, investment, acquisition, and rapid growth quickly followed. Further development of several advanced platforms allowed them to dominate the Philippine market by 2021, and from there, they started to expand into the Southeast Asian region.
ISO 27001:2013 certified, Multisys has over 400 employees and, in the 13 years since its founding, has integrated over 2,500 partners into its copyrighted and trusted platforms and solutions.

Rapid software development impacted code

By its very nature, software development means that bugs, vulnerabilities, and other risks are introduced during coding. (Developers inadvertently introduce 95% of vulnerabilities in this phase.) Unfortunately, as shown in the figure below, the further vulnerabilities proceed into the Software Development LifeCycle, the more resources, time, and cost remediation will take (up to 640 times the cost if discovered post-release).
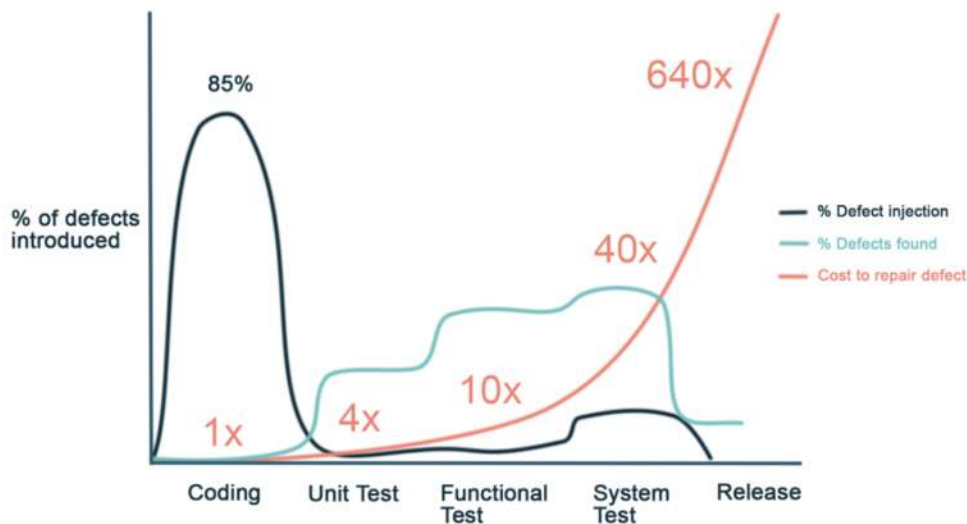
Speaking purely in terms of remediation costs, eliminating vulnerabilities as early in the development pipeline as possible must be every organization's objective.

Multisys' main challenge was bug- and risk-free software

"Ensuring all our applications and software are free from bugs and security risks was our biggest security challenge. Our fast-phase development impacted both our productivity and security."

Their fast-paced development process impacted their productivity and security, resulting in the accidental commitment of vulnerable code. This vulnerable code directly conflicted with their secure-by-design approach. Due to Multisys' increased business risk and overall compliance implications, a viable solution was urgent.

GuardRails delivered rapid and significant improvements and comprehensive protection

After evaluating several AppSec products, Multisys engaged with and finally chose GuardRails to help them identify critical vulnerabilities and ensure code security. Subsequently,

> "Our development has seen significant improvements. The risk of team members accidentally committing code with medium to high vulnerabilities has been significantly reduced with the implementation of GuardRails, which provides comprehensive protection."

Such improvements included:

• Delivering much faster development times
• Establishing better coding practices
• Avoiding hardcoded credential issues
• Providing comprehensive overall code protection
• Identifying code-level security risks
• Complying with organizational security requirements

Excellent time-efficiency and pentest results

> "GuardRails helps us to keep tabs on the most critical vulnerabilities without any worries about code security."

In terms of tangible results, GuardRails also helped improve the skills and practices of Multisys' developers, and by helping them to keep tabs on the most critical vulnerabilities, has resulted in an estimated

> "10% improvement in time efficiency and a 10% decrease in pentest results."

Overall, Multisys found GuardRails instrumental in both improving its code and ensuring it adhered to its guiding principles.

> "We would highly recommend GuardRails for its effectiveness in improving code security and ensuring secure coding practices."

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