Vulnerabilities... A pain in your app.

Modern applications can be complex, but your application security doesn't need to be.

Recently, we have witnessed a surge of open-source software attacks. It's no surprise given our dependency on open-source software, recently demonstrated in the Log4Shell vulnerability and its consequences.

The widespread use of open-source software in today's codebases makes sense. Open-source is vast and highly progressive, and developers can save time and money by re-using effective software and components.

> ***The Log4Shell vulnerability exposed 1 in 10 web applications.***
>
> *Source: Tenable*

The pervasiveness of open source makes it a prime target for cybercriminals, so taking a proactive approach to understand the risks of application security has never been more critical than it is today.

There are many facets of modern application development. **So, where should you start strengthening your application security?**

There are two ways to find out if you have insufficient application security controls or practices:

A Penetration Test

You get hacked

Assuming you do not want the latter, the best approach is to conduct regular Penetration Testing on your existing applications for known common vulnerabilities.

At a minimum, we recommend completing an annual Penetration Test. If you have a potential open front door to zero-day threats, our team will work with you to close these gaps and secure your applications.

Target the weakest point in your application security: coding

Even when software supply chain attacks aren't dominating the headlines, they are carefully planned and executed. **So how can developers start thinking about security?**

As a start, you could look at Application Security Training.

We reset the mindset of developers and cultivate a security culture, so they're equipped with the skills they need to produce secure code from the start. Our training is built by developers for developers and continuously evolves to keep pace with the latest vulnerabilities and attack techniques.

Our various security training categories are all tailored to your development stack:

Introduction To Secure Coding – a 1-day workshop targeted at the frameworks and languages the developers work with daily, covering secure coding principles, security tools, common mistakes, and design principles.

Introduction To Secure Design – a half-day workshop targeted at developers and designers, teaching them the basics of secure design and deep diving into secure design principles.

Implementing Secure DevOps – a half-day workshop targeted at your organisation's development stack, allowing your developers to wear a hacker's hat and see what tools and techniques they use against them.

Bootcamp – a REST API backend designed in .NET following best practices, but with mistakes that introduced vulnerabilities. We examine exploitations and their fixes, fostering offensive and defensive skills for your developers. The training is tailored to your timeline and needs.

The Missing Link's categories are designed around both the why and how of security training. We want to show you how vulnerabilities are exploited and why they are dangerous – it is not all theory. Developers are given the playground, and we are there to guide and teach.

Shift security testing left and arm your front-line defences

Investing in a security-first mindset gives your developers the knowledge, but they also need to leverage the best-of-breed tools to prevent the bad guys from getting in.

When it comes to securing applications, the sooner vulnerabilities can be detected, the better. As part of shifting security testing left, it's important to provide developers with the tools they need to do their job securely.

We can help by recommending Application Security Testing tools and best practices to identify security weaknesses and vulnerabilities in your source code.

And, when it comes time to deploy, we can support your team in implementing a Web Application Firewall (WAF) and Runtime Application Self-protection (RASP) to be the first line of defence.

Vulnerabilities can be a pain in your app. We're here to evaluate the maturity of your application security and ignite a security-first mindset.

GET IN TOUCH

Or call 1300 865 865

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