

# Secure Web Application Development Training

Write secure code and learn what it takes to build strong web applications from the ground up

Many organisations now rely on web applications as critical business tools. Increasingly, web applications are vehicles for collecting and transferring data, making them particularly attractive targets for hackers. In fact, attacks against web applications are among the top causes of data breaches. That's why developing secure web applications has never been more important. This course aims to provide your coders and developers the awareness they need to write secure code, and an understanding of integrating security considerations throughout the software development life-cycle.



## Who should attend?

Coders and Software Developers



## Delivery mode

In person



## Duration:

1 x Day

## About this Training Module

When building web applications, coders and software developers often face time constraints and market pressures. Without time to fully integrate security measures, there is an inclination to focus on functionality above all else. However, this approach often results in vulnerabilities and web applications that are prone to costly data breaches.

This one-day live and interactive workshop focuses on ways hackers attack web applications, methods to review and identify application vulnerabilities, the principles of writing secure code and SHIFT-LEFT strategies that embed security throughout the software development life-cycle (SDLC).

## Benefits:

This training course will enable participants to:

- ▶ Get into the hacker-mindset
- ▶ Learn about common web application attack vectors
- ▶ Develop secure code development skills
- ▶ Identify and remediate software vulnerabilities
- ▶ Build secure web applications more efficiently
- ▶ Integrate security throughout the software development life-cycle (SDLC)

Our Secure Web Application Development training covers the following:

<b>01</b> Current security solutions	<b>02</b> Web application fundamentals	<b>03</b> Network architecture fundamentals
<ul style="list-style-type: none"><li>• Current common solutions and where they leave gaps</li></ul>	<ul style="list-style-type: none"><li>• Basics of HTTP - how requests and responses are formed</li><li>• Cookies and session management</li><li>• HTTP Same Origin Policy</li><li>• Javascript and web technologies</li></ul>	<ul style="list-style-type: none"><li>• Network layer firewalls</li><li>• Web application firewalls</li><li>• Secure communications and SSL/TLS</li></ul>
<b>04</b> Common web application attacks	<b>05</b> Secure web application development practices	<b>06</b> The secure software development lifecycle (SLDC)
<ul style="list-style-type: none"><li>• OWASP Top 10 - worldwide most common and impactful vulnerabilities</li><li>• Insights and common vulnerabilities found through CyberCX penetration testing</li><li>• Overviews and impacts</li><li>• Live demonstrations, sample attacks, and interactive lab environment</li><li>• Recommendations and sample preventative measures</li></ul>	<ul style="list-style-type: none"><li>• Writing secure code</li><li>• Ensuring a secure supply chain</li><li>• Security testing</li></ul>	<ul style="list-style-type: none"><li>• Security activities during the lifecycle</li><li>• Defence in depth measures</li><li>• Designing for security</li></ul>

## Why Education and Training with CyberCX?

- ▶ Expertise delivering context-rich training and education across industry, higher education, government, military and intelligence
- ▶ Dedicated program managers to coordinate planning, training activities and improvement tracking
- ▶ Solutions purpose-built to deliver results by helping acquire, retain, develop and enhance knowledge, skills and understanding
- ▶ Highly flexible options and delivery methods designed to deliver the right training in the right way
- ▶ Highly qualified and globally recognised cyber security trainers and experts

## About CyberCX

CyberCX is a leading independent cyber security services company with offices across the UK, US and Australia, unifying the most trusted cyber security brands and the experts who built them. CyberCX delivers end-to-end cyber security services and the best cyber security talent with the most comprehensive range of cyber security services to business, enterprise and government.

Contact us to find out how CyberCX can boost the cyber security skills of your entire organisation.

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