

GIAC Certified Web Application Defender



Online Course

ZETLAN TECHNOLOGIES
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Course Modules

1. Access Control

Understanding of access control attacks & mitigation strategies, as well as applying the best practice in avoidg access cntrl issues.

2. AJAX Technologies and Security Strategies

Understanding of Asynchronous JavaScript and XML (AJAX) architecture, common attacks against AJAX technologies and best practices for securing applications using AJAX.

3. Authentication

Understanding of web authentication, single sign on methods, third party session sharing and common weaknesses, as well as how to develop test strategies, and apply best practices.

4. Cross Origin Policy Attacks and Mitigation

Understanding of methods attackers use to circumvent single origin policy enforcement and best practices for preventing, detecting or mitigating these attacks in web applications.



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5.CSRF

Understanding of the conditions that make a CSRF attack possible, the steps an attacker takes & how to mitigate CSRF attacks.

6.Encryption and Protecting Sensitive Data

Understanding of how cryptographic components work together to protect web application data in transit and in storage and also when and where to use encryption or tokenization to protect sensitive information.

7.File Upload, Response Readiness, Proactive Defense

Understanding of incident response as well as file upload, logging, and anti automation issues

8.Input Related Flaws and Input Validation

Understanding of SQL injection, Cross site Scripting, HTTP Response splitting, and how to protect against them with proper input validation



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9. Leading Edge Technologies and Web Security

Understanding of leading edge web application security issues and technologies

10. Modern Application Framework Issues and Serialization

Understanding of miscellaneous security technologies and techniques associated with web application security including REST, Java Frameworks, Serialization, and Browser Defense

11. Security Testing

Understanding of how to detect and respond to incidents and conduct security testing in the web application environment.

12. Session Security & Business Logic

Understanding of what sessions are, how to test and mitigate common weaknesses, and how to properly implement session tokens and cookies in a web application as well as security issues associated with business logic.



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13. Web Application and HTTP Basics

Understanding of the building blocks of web applications and how components work together to provide HTTP content as well as high level attack trends.

14. Web Architecture and Configuration

Understanding of web application architecture and controls needed to secure servers and services that host web applications.

15. Web Services Security

Understanding of Service Oriented Architecture (SOA), common attacks against web services components (SOAP, XML, WSDL, etc) and best practices for securing web services.

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**LEARN
REMOTELY!!**

The efficiency of online learning in terms of time management, flexibility, and the ability to access resources anytime, anywhere can be compelling.



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**For contact: +91 8680961847
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