Masterclass: Secure Coding Techniques .NET

Duration: 4 Days **Course Code: SCT** **Delivery Method: Virtual Classroom**

Overview:

Gartner reports states that over 70% of security vulnerabilities exist at the application layer. Industry standards including PCI DSS, NIST, FISMA are introducing requirements to comply with security coding guidelines and integrating application scanning into software development life cycle. Microsoft Security Development Lifecycle emphasizes the need of having at least one security training class each year. Such training can help ensure software is created with security and privacy in mind and can also help development teams stay current on security issues and modern security techniques.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

experienced .NET and security consultants, conducting code reviews and consultancies.

Objectives:

- During 4 day instructor-led training you will learn and practice all important .NET security features (with special focus on web applications), ways of hacking applications and reviewing the code with security in mind. We will start by talking about security as a process – covering most important aspects of latest Microsoft SDL guidance, tools, architecture and design practices. Then we will go through everything that each .NET developer needs to know about secure coding practices.

Content:

We will spend most of our time talking about securing ASP.NET applications and issues frequently observed. You will learn about OWASP TOP 10 – most critical web application security vulnerabilities, see them in practice (in ASP.NET) and mitigate the risks. We will see how to hack web applications by using various techniques and learn how to prevent those risks. You will learn about the latest version of ASP.NET Identity – modern framework for securing ASP.NET applications. We will cover fundamentals of ASP.NET Web API and see modern ways of protecting them by OAUTH 2, OpenID and claims-based authentication. At the end you will see how to put all the knowledge in practice to conduct code reviews.

After finishing the course, attendees will be up-to date with the latest security techniques used in .NET applications and will be able to conduct .NET application code reviews by themselves.

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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