



Secure Coding For Healthcare

Training Details

Training Time	:	3 Days
Capacity	:	12
Prerequisites	:	There are no prerequisites for this course.

About Training

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The past few years have seen a massive increase in attacks, data breaches and medical identity theft targeting the healthcare industry; there have also been various ransomware attacks paralyzing healthcare computer networks as well as the various medical devices connected to them. The rise of mobile devices used in the industry needs to be addressed as well: there is a huge growth of medical software applications for mobiles and tablets that connect the patient with the organization – carrying and storing personally identifiable information (PII).

Healthcare is one of the business domains where security is absolutely crucial. Vulnerability is not an option when working with life-saving devices. There is also significant compliance pressure – if you want to stay a trusted and reliable vendor, your systems and applications need to comply with Health Information Portability and Accountability Act (HIPAA) requirements. To deal with these challenges, you need motivated secure coders with the right skills and the right attitude to fight security problems.

What You'll Learn

- Understand basic concepts of security, IT security and secure coding
- Understand special threats in the healthcare sector
- Learn Web vulnerabilities beyond OWASP Top Ten and know how to avoid them
- Learn about XML security
- Learn client-side vulnerabilities and secure coding practices

- Learn about JSON security
- Learn about denial of service attacks and protections
- Have a practical understanding of cryptography
- Understand essential security protocols
- Get sources and further readings on secure coding practices

Who Should Attend

Developers working in the healthcare sector.

Outline

- IT security and secure coding
- Special threats in the healthcare sector
- Regulations and standards
- Web application security (OWASP Top Ten 2017)
- Client-side security
- XML security
- JSON security
- Denial of service
- Practical cryptography
- Security protocols
- Principles of security and secure coding
- Knowledge sources

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