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| Day 1: Review Web Application Security And Secure Coding | |
| Introductions |  |
|  | Web Application Attacks |
| Secure Software Development Lifecycle | |
|  | Security Requirements |
|  | SDLC |
|  | Secure Design |
|  | Threat Modeling |
|  | Secure Code Review |
| Secure Coding |  |
|  | Data Validation |
|  | Authentication and Session Management |
|  | Other |
| Day 2: Code Review |  |
| Approach |  |
|  | Define |
|  | EntryPoint to EndPoint |
|  | EndPoint to EntryPoint |
| Preparation |  |
| Data Validation |  |
|  | Injection |
|  | Cross-Site Scripting (XSS) |
|  | File Upload/Download |
|  | Input Validation |
|  | Indirect Selection |
|  | HTTP Response Splitting |
|  | Open Redirect |
|  | Second Order Attack |
| Authentication and Session Management | |
|  | Authentication Factors |
|  | Password Management |
|  | Cross-Site Request Forgery |
|  | Session Management |
|  | Race Condition |
|  | ViewState |
|  | Cookie Security |
|  | Direct Object reference |
| Error Handing |  |
| Third Party |  |
|  | Incorect Implement |
|  | Ex: API usage |
|  | Ex: Editor |
|  | Ex: CAPTCHA |
| Day 3: Web Framework And Web Services | |
| Web Framework Introduction | |
|  | Approach in Code Review Web Framework |
|  | .NET Framework |
|  | Java Framework |
| .NET Framework Security | |
|  | LINQ and Entity Framework |
|  | Password Storage |
|  | Exception Handling |
|  | String Immutability |
|  | Numeric Overflow |
|  | Threading |
| SharePoint Security |  |
| Java Framework Security | |
| Web Services Security | |
| Cryptography | |