

*Secure Java Development Essentials*

The Secure Java Development Essentials (SJD-100) course equips developers with the foundational skills necessary to write secure Java applications. Java remains one of the most widely used programming languages for enterprise applications, making it a prime target for security threats. This course focuses on best practices for mitigating common security risks, ensuring that developers can build robust and resilient software. By the end of the course, learners will have a comprehensive understanding of secure coding principles and the ability to apply them in real-world development scenarios.

<b>Secure Coding Principles</b>	Explore the fundamental principles of secure coding to minimize vulnerabilities and create resilient Java applications
<b>Error Handling and Logging with Java</b>	Learn how to effectively manage errors and implement secure logging practices to protect sensitive information
<b>Input Validation with Java</b>	Master techniques to validate user inputs, safeguarding your applications against malicious data
<b>Output Encoding with Java</b>	Understand how to securely encode output to prevent injection attacks and maintain application integrity
<b>HTTP Cookie Security with Java</b>	Discover best practices for managing HTTP cookies securely to protect user sessions and sensitive data
<b>Security Misconfigurations with Java</b>	Learn how to identify and address common security misconfigurations to strengthen application defenses
<b>Web Session Management with Java</b>	Develop secure session management techniques to protect against unauthorized access and session hijacking
<b>Using Databases with Java</b>	Explore secure methods for database interactions, ensuring the confidentiality and integrity of stored data
<b>Assembling the Pieces: Java Security Essentials</b>	Apply your knowledge in this capstone module, integrating secure coding practices to build robust Java applications