



## **Prerequisites**

This seminar was developed for software developers, that are already familiar with SQL and already have basic background in programming.

## **Duration**

This seminar includes 4 academic hours.

## **Premium Training**

This seminar can be delivered either in Hebrew or in English. It can be delivered either online, or in a Hybrid way that allows the participants to choose whether to attend the meeting room where the training takes place or to join online.

## **The Lecturer**

This seminar is delivered by Haim Michael, an experienced well-known software development trainer with more than 25 years of experience in software development training.

## **The Topics**

This seminar was developed based on practical experience of more than 20 years with SQL injections, and it includes the following topics:

- Introduction to SQL Injections
- Types of SQL Injections
  - Retrieving Hidden Data
  - Modifying Application Logic
  - Data from Other Tables
  - Information about The Database
- Blind SQL Injections
- SQL Injections Detections
  - Detection Tools
  - Manual Detection
  - Vulnerable Websites to Practice
- Different Parts of The Query
  - SQL Injections in Different Parts
  - Update Statements

Insert Statements

Select Statements

### SQL Injections Contexts

Query Strings

Web Forms

Uploaded File

Web Service Response

### Second Order SQL Injections

First & Second Order SQL Injections

### Database Specific Vulnerabilities

SQL Variations

### How to Prevent SQL Injections

Prepared Statements

White Listing

ORM Frameworks