Prerequisites

This seminar was developed for experienced Java developers who want to update their Java knowledge and become productive with modern Java features, idioms, and APIs. Participants should be comfortable with Java syntax, object-oriented programming, classes and interfaces, collections, generics, exceptions, and basic functional programming concepts. Previous experience with the newest Java versions is not required.

Duration

This seminar includes eight hours of focused training and hands-on practice.

Premium Training

This premium seminar can be delivered in Hebrew or English, online or in a hybrid format. The content can be adapted to the participants' Java experience, the Java version used in the organization, and the type of backend, cloud, enterprise, or desktop applications they develop.

The Lecturer

Haim Michael is an experienced software development trainer, lecturer, and consultant with more than 30 years of teaching experience. He has extensive experience teaching Java and related software development technologies, and helps experienced developers move from classic Java habits to modern, practical, and maintainable Java development. Haim has decades of experience teaching software development technologies and extensive hands-on experience with Java and modern backend development.

The Topics

This seminar helps experienced Java developers fast-forward from older Java habits to modern Java development. The focus is on features, idioms, and design choices that make today's Java code more expressive, safer, easier to maintain, and better aligned with modern software architecture. The seminar includes the following topics:

Modern Java for Experienced Developers

From Classic Java to Modern Java Thinking

Local Variable Type Inference and Cleaner Syntax

Records and Immutable Data Carriers

Sealed Classes and Controlled Inheritance

Pattern Matching and Modern switch Expressions

Text Blocks and Modern String Handling

Streams, Optional, and Functional-Style APIs

Virtual Threads and Modern Concurrency

Modules, Encapsulation, and Application Structure

Modern Collections, Factory Methods, and Useful APIs

We can adapt the seminar to your team's Java version, technology stack, coding standards, and modernization goals. We can also customize the hands-on exercises around representative legacy Java code from your organization, so participants practice transforming familiar code into clearer, more modern, and more maintainable Java.

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