Prerequisites

This seminar was developed for software developers who already work with C# and want to become productive with Kotlin quickly. Participants should be comfortable with C# syntax, object-oriented programming, collections, generics, and lambdas. No previous experience with Kotlin is 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' C# experience, development environment, and the type of Kotlin applications they plan to develop.

The Lecturer

Haim Michael, an experienced software development trainer, lecturer, and consultant with more than 30 years of teaching experience, delivers this seminar. He has extensive experience teaching C#, Java, and Kotlin and helps experienced C# developers move quickly from familiar .NET concepts to idiomatic Kotlin. Haim has more than 12 years of experience with Kotlin.

The Topics

This seminar fast-forwards experienced C# developers into Kotlin by focusing on the concepts that differ most from C#, while continuously mapping new Kotlin constructs to familiar C# and .NET mental models. The seminar emphasizes practical, idiomatic Kotlin and includes the following topics:

Kotlin for C# Developers

Kotlin Syntax and Type Inference

val, var, and Immutability

Null Safety and Nullable Types

Smart Casts and Type Checks

Functions, Default Arguments, and Named Arguments

Extension Functions

Properties and Backing Fields

Primary and Secondary Constructors

Classes, Interfaces, and Inheritance

Nested and Inner Classes

Data Classes vs. C# Records

Object Declarations and Companion Objects

Sealed Classes and Sealed Interfaces

Lambdas and Higher-Order Functions

We can adapt the seminar to your team's C# and .NET background, technology stack, and intended Kotlin use cases. The hands-on exercises can also be customized around representative C# code from your organization so participants practice translating familiar patterns into concise, idiomatic Kotlin.

More Seminars

Please check out our seminars catalog for detailed information on additional professional seminars we offer. You can find it at https://www.lifemichael.com/seminars/lifemichael_seminars_catalog.pdf.

Executive Briefings

Please check out our executive briefings catalog for detailed information about the executive briefings we offer. You can find it online at https://lifemichael.com/executives/lifemichael_briefings_catalog.pdf.