Microsoft Build
May 21–23, 2024
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COLLECTION

2024 Phase 1 - Software Development

Edited on 14/05/2024 • Created by MSA NZ

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Items in this collection

Week 1

MODULE
Introduction to GitHub
1 hr 32 min
100% completed

MODULE
Write your first C# code
27 min
100% completed

MODULE
Introduction to .NET
28 min
100% completed

MODULE
Create a new .NET project and work with dependencies
18 min
100% completed

MODULE
Interactively debug .NET apps with the Visual Studio Code debugger
43 min
100% completed

MODULE
Create a web API with ASP.NET Core controllers
41 min
100% completed

Week 2

MODULE
Get started with web development using Visual Studio Code
44 min
100% completed

MODULE
Learn the basics of web accessibility
15 min
100% completed

MODULE
Introduction to Node.js
20 min
100% completed

MODULE
Create a new Node.js project and work with dependencies
40 min
100% completed

MODULE
Get started with React
31 min
100% completed

MODULE
Working with data and properties in React components
26 min
100% completed

MODULE
React state and events
24 min
100% completed

Week 3

MODULE
Get started with TypeScript
36 min
100% completed

MODULE
Declare variable types in TypeScript
38 min
100% completed

MODULE
Implement interfaces in TypeScript
46 min
100% completed

MODULE
Develop typed functions by using TypeScript
51 min
100% completed

MODULE
Declare and instantiate classes in TypeScript
1 hr 7 min
100% completed

Week 4

MODULE
Define generics in TypeScript
46 min
100% completed

MODULE
Access external libraries from TypeScript
46 min
100% completed

MODULE
Organize code using TypeScript namespaces
46 min
100% completed

Week 5

MODULE
Introduction to Transact-SQL
56 min
100% completed

MODULE
Sort and filter results in T-SQL
57 min
100% completed

MODULE
Combine multiple tables with JOINs in T-SQL
1 hr 2 min
100% completed

MODULE
Modify data with T-SQL
56 min
100% completed

MODULE
Persist and retrieve relational data by using Entity Framework Core
44 min
100% completed

Week 6

MODULE
Build a web API with minimal API, ASP.NET Core, and .NET
20 min
100% completed

MODULE
Build a containerized web application with Docker
57 min
100% completed

MODULE
Build continuous integration (CI) workflows by using GitHub Actions
1 hr 7 min
100% completed

MODULE
Introduction to software testing concepts
19 min
100% completed

MODULE
Use a database with minimal API, Entity Framework Core, and ASP.NET Core
35 min
100% completed