Angular + .NET Developer Interview Preparation Roadmap

Phase 1: Understand the Basics (1-2 Weeks)

Step 1: Learn the Basics of Programming

- C# basics: variables, data types, loops, conditions, classes.

- Resources: Microsoft Learn, W3Schools, or freeCodeCamp.

Step 2: Learn .NET Core Fundamentals

- What is ASP.NET Core?

- Build basic APIs (GET, POST, PUT, DELETE).

- Tools: Visual Studio or VS Code.

Step 3: Learn JavaScript Basics

- Variables, functions, arrays, objects, loops.

- DOM, events, and browser interactions.

Phase 2: Frontend with Angular (2-3 Weeks)

Step 4: Start with Angular Basics

- Install Angular CLI, create app.

- Learn Components, Modules, Templates, Services, Routing.

Step 5: Connect Angular with API

- Use HttpClient to call APIs.

- Display data with ngFor, handle errors, validate forms.

Phase 3: Backend with .NET Core (2-3 Weeks)

Step 6: Build Real APIs

- Build CRUD API (Task Manager, Library).

- Learn Controllers, DI, EF Core, LINQ.

Step 7: Learn Authentication (JWT)

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- Create login/register APIs with JWT.

- Secure APIs and connect Angular with JWT.

Phase 4: Practice & Projects (3+ Weeks)

Step 8: Create a Mini Fullstack Project

- Angular + .NET Core + SQL Server

- Example: Student Management, Railway Booking, Loan App.

Step 9: Mock Interview & Practice Questions

- Practice C#, .NET, Angular, SQL questions.

- Use LeetCode for logic practice.

Resources

For Angular:

- angular.io/start

- YouTube: Codevolution, Academind, Techsith

For .NET Core:

- learn.microsoft.com/aspnet/core/

- YouTube: Kudvenkat, IAmTimCorey

For Practice:

- LeetCode.com

- SQLZoo.net

Final Tips

- Be consistent (2+ hours/day).

- Build projects, not just theory.

- Use GitHub to share code.

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- Practice explaining your code.