Roadmap 2024. **Minimal** Basics of C# 6 - 12 🖸 Version Control - Git ☐ ■ Dotnet CLI 🖸 Data Structures & Algorithms ☐ - .NET Framework 🖸 1. C# Clean Code 🖸 ·.NET ♂ Refactoring 2 ► .NET Standard 🖸 2. General Development Skills Design Patterns 🖸 ► NuGet 🖸 SOLID Principles 2 How Internet works <a> □ Layered [2 Software Architectures HTTP(S) protocol [2] Microservices ☑ Web Basics How DNS works ☑ What happens when you type a URL into your browser? ASP.NET Core Fundamentals 🖸 ASP.NET MVC ピ Filters & Attributes 🖸 Middleware ♂ Host ♂ Server ♂ 3. ASP.NET Core Razor 🖸 Routing 2 Configuration 2 Blazor ♂ 4. Client-Side .NET WPF ♂ Errors ♂ .NET MAUI _ 간 Depedency Injection ♂ Web API [간 Minimal APIs [간 API REST 년 JSON ♂ Authorization 2 Security Authentication 2 Database design 🖸 SQL ௴ SQL Server ☑ 5. Databases Relational PostgreSQL 2 Entity Framework Core 🖸 Azure SQL [2] 6. ORM LINQ C MongoDB ぱ NoSQL Azure Cosmos DB ピ SignalR Core ☑ Microsoft.Extensions.Logging ☐ 7. Logging Real-time WebSockets ☐ Serilog ♂ HttpClient [2 Synchronous 8. Communication RabbitMQ 🖸 9. Object mapping AutoMapper ♂ Azure Service Bus 🖸 Asynchronous MassTransit ♂ xUnit [2 Frameworks MSTest ♂ **Unit Testing** Mocking Moq ♂ 10. Testing WebApplicationFactory ☐ **Integration Testing** Docker ♂ 11. Containerization TestServer ☑ Kubernetes 2 12. Background tasks Background Service ☑ Memory Cache ☑ 13. Caching Redis ♂ DevOps concepts ☐ 14. DevOps GitHub Actions ピ MediatR ♂ Services Azure Pipelines 2 15. Essential Libraries Polly ♂

Fluent Validation 🖸

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