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As a C# Developer,

Please learn:

1. Core C# Mastery

- OOP principles (SOLID, DRY, KISS)
- Generics, Delegates, Lambda expressions
- LINQ for data manipulation
- Collections framework (List<T>, Dictionary<TKey, TValue>)
- Exception handling

2. Multithreading & Concurrency

- Task Parallel Library (TPL), async/await
- Thread safety, Mutex, Semaphore
- Concurrent Collections (ConcurrentBag, ConcurrentDictionary)
- Parallel LINQ (PLINQ)

3. Design Patterns & Architecture

- Common patterns (Singleton, Factory, Builder)
- Dependency Injection (DI), Inversion of Control (IoC)
- Microservices and Event-Driven Architecture

4. .NET Memory Management

- Garbage Collection (GC generations)
- Value vs. reference types
- Memory profiling tools (dotMemory)

5. **ASP.NET** Core

- REST API development
- Authentication (JWT, OAuth2)
- Entity Framework Core (Code First, Database First)

6. Microservices Architecture

- Service discovery (Consul, Dapr)
- API Gateway (Ocelot)
- Asynchronous messaging (RabbitMQ, Azure Service Bus)

7. Testing & TDD/BDD

- Unit testing (xUnit, NUnit)
- Mocking with Moq
- Integration testing and BDD (SpecFlow)

8. CI/CD & DevOps

- Continuous integration (Azure DevOps)
- Containerization with Docker, orchestration with Kubernetes
- Source control (Git)

9. Database Optimization

- SQL optimization, indexing
- NoSQL databases (MongoDB, CosmosDB)

10. Performance Tuning & Tools

- Runtime optimization, garbage collection tuning
- Profiling tools (dotTrace, Prometheus)

#CSharp #Coding #Backend

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Great advice

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Thanks. Lets connect.

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[Abhinn Mishra](#) bhai resources bhi btade

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Usefull tips. Can you provide some useful links to learn.

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Abhinn Mishra Thank you for the shoutout 😊🙏

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Neha Garg To me Udemey would be the best choice for everyone if you want to catch up on all the mentioned topics.

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Useful tips

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Hope it will help.

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Very informative 🌸

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Looking for change Sr. .Net Developer (Dot Net) at American Airlines Looking f...

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Hi [Abhinn Mishra](#)
I am interested and join immediately, Today is my last working day at American Airlines I hold 10+ years of experience as .Net Developer you can reach me on +1 972-464-2770 OR sarojchettri158@gmail.com

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Great advice

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Very informative

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Very helpful

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[Esraa Magdy](#) zakry kol dh 3shan has2lk fih next week

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Good

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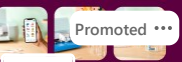
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Thanks man

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