

## ENDAVA INTERNSHIP PROGRAMME | AUTUMN 2021 STUDY MATERIALS FOR AM .NET ENGINEER

To be better equipped for the qualifying test and interview, we encourage you to examine the **studying materials**, recommended for **Applications Management .NET Engineer** internship:

- **.NET C#**  
<https://docs.microsoft.com/en-us/dotnet/csharp/>  
<https://metanit.com/sharp/>
  - OOP principles
  - Properties
  - Interfaces
  - Abstract and static classes,
  - Constructors
  - Methods, extension methods
  - Override and Overload
  - Loops (for, foreach, do while, while)
  - Exception handling
  - Collections, generics
  - Attributes
  - MVC, webApi (Rest/Soap)
  - Linq, Entity Framework (nice to have)
- **SOLID principles**  
[https://introprogramming.info/english-intro-csharp-book/read-online/chapter-20-object-oriented-programming-principles/#\\_Toc362296565](https://introprogramming.info/english-intro-csharp-book/read-online/chapter-20-object-oriented-programming-principles/#_Toc362296565)
- **Design patterns** (nice to have)  
<https://www.dofactory.com/net/design-patterns>
- **SQL**  
<https://www.w3schools.com/sql/>  
DML DDL - at least simple selects (CRUD), joins, indexes, stored procedures, type of keys and relations
- **HTML, CSS, JavaScript** (nice to have)
- **jQuery, Angular/React** (nice to have)  
<https://www.w3schools.com/>
- **Git** (nice to have)  
<https://www.git-scm.com/>
- **English test**  
<https://learnenglish.britishcouncil.org/online-english-level-test>
- **Other useful sources**  
YouTube, Google, w3schools.com, itvdn.com, udemy.com, Lynda.com, pluralsight.com