

ENDAVA INTERNSHIP PROGRAMME | AUTUMN 2023 STUDY MATERIALS FOR AM .NET ENGINEER

An **Applications Management .NET Engineer** is responsible to maintain, troubleshoot and enhance production applications. Collaborate with development teams and application stakeholders to provide support and ensure a high-quality service delivered to application end users.

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

- **SQL**

- <https://www.w3schools.com/sql/>

- DML DDL - at least simple selects (CRUD), joins, indexes, stored procedures, type of keys and relations

- **Design patterns** (nice to have)

- <https://www.dofactory.com/net/design-patterns>

- **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/>

- **Other useful sources**

- YouTube, Google, w3schools.com, itvdn.com, udemy.com, Lynda.com, pluralsight.com

- **Test your English**

- <https://learnenglish.britishcouncil.org/online-english-level-test>