

Agenda

1. A general introduction of .NET Core and ASP.NET Core

- History
- .NET Core
- ASP.NET Core
- Pipeline
- dotnet Command line

2. C# and Object Oriented Programming

- Syntax that very useful in C#
 - LINQ
 - Async / Await
 - Pattern matching
 - Tuple / Deconstruction
 - Extension method
 - Records / Immutability
- Why Object oriented
- Interface better than Abstract class

3. RESTful API and docker

- MVC
- Logging
- Exception
- Health check
- Swagger
- Run in docker

4. Database integration

- ORM
- Entity framework
- AWS - PostgreSQL

5. Authentication & Authorisation (not sure)

- Identity Server
- OAuth

6. Microservice & solution patten (not sure)

- Partition Microservice
- BFF pattern
- API gateway pattern

- orchestrate services in k8s