



SQL Fundamentals

Fundamentals database desing, query and SQL Syntax

Stored Procedures

Constraints

Triggers

Views

SOLID

Single Responsibility Principle (SRP)

Open-Closed Principle (OCP)

Liskov Substitution Principle (LSP)

Interface Segregation Principle (ISP)

Dependency Inversion Principle (DIP)

Dependency Injection

DI Containers

Life Cycles

Scrutor

Microsoft.Extensions.DependencyInjection

AutoFac

Ninject

Scoped

Transient

Singleton

Databases

Relational

Cloud Databases

Search Engines

NoSQL

SQL Server

Postgress

MariaDB

MySQL

Azure CosmosDB

Amazon Dynamo DB

ElasticSearch

Solr

Sphinx

MongoDB

Redis

LiteDB

Apache Casandra

API Clients & Communications

REST

gRPC

GraphQL

GraphQL-dotnet

HotChocolate

Sieve

OData

Object Mapping

AutoMapper

Mapster

ExpressMapper

AgileMapper

Testing

Unit Testing

Integration Testing

Mocking

Assertion

FluentAssertions

Shouldly

Debug.Assert (System.Diagnostics)

WebApplicationFactory(AspNetCore.MVC.Testing)

PostMan

TestServer

Frameworks

Mocking

Assertion

FluentAssertions

Shouldly

Debug.Assert (System.Diagnostics)

WebApplicationFactory(AspNetCore.MVC.Testing)

PostMan

TestServer

xUnit

MSTest

NUnit

Moq

NSubstitute

FakeltEasy

Continuous Integration & Delivery

Azure/AWS Pipelines

Github Actions

Jenkins

Travis CI

TeamCity

Good to Know Libraries

AutoMapper

FluentValidation

MediatR

Polly

Nuke

BenchmarkDotNet

NodaTime

Fluent Assertions

AutoFixture

GenFu

Presented with xmind