

# 29 MUST KNOW .NET LIBRARIES



**Kristijan Kralj**



# #1 - ORM



## EF Core

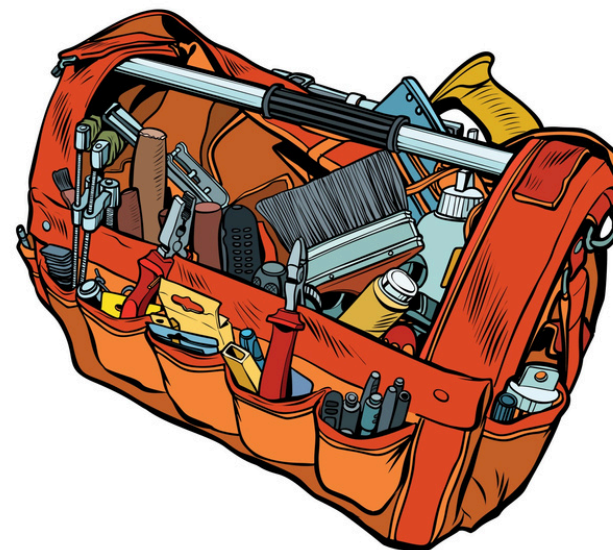
A lightweight ORM for interacting with databases using LINQ.

## Dapper

A simple and fast micro ORM for efficient database interactions.



# #2 - API FLOW



<b>SignalR</b>	A library for adding real-time web functionality to .NET apps.
<b>FluentValidation</b>	A fluent API for building strongly-typed validation rules.
<b>YARP</b>	A library for building custom proxies.
<b>MediatR</b>	A library for decoupled communication between components.



# #3 - TESTING



<b>Testcontainers</b>	Provides disposable containers for integration and end-to-end testing.
<b>Shouldly</b>	For writing readable and maintainable test assertions.
<b>NSubstitute</b>	A library for creating mock objects in unit tests.
<b>Bogus</b>	A simple library for generating fake data.



# #4 - LOGGING



## Serilog

A structured logging library with various output formats and destinations.

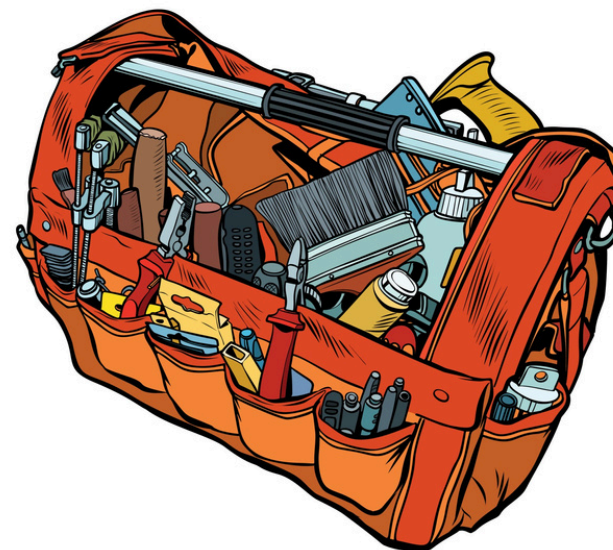
## NLog

A flexible logging platform with support for multiple targets.





# #5 - DI



<b>Microsoft .Extensions .DependencyInjection</b>	The default dependency injection framework used in ASP.NET Core.
<b>Scrutor</b>	Adds assembly scanning and registration conveniences to .NET Core DI.
<b>Autofac</b>	A powerful IoC container for advanced dependency management.



# #6 - BACKGROUND TASKS



## Hangfire

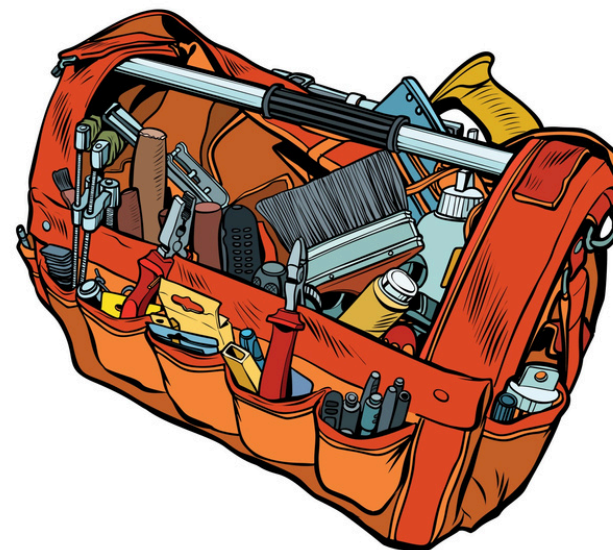
A library for scheduling and executing background jobs with persistence.

## Quartz.NET

A feature-rich scheduler for job execution in .NET applications.



# #7 - HTTP



## Polly

A resilience library for handling transient faults in HTTP requests.

## RestSharp

A simple HTTP client for consuming REST APIs in .NET.

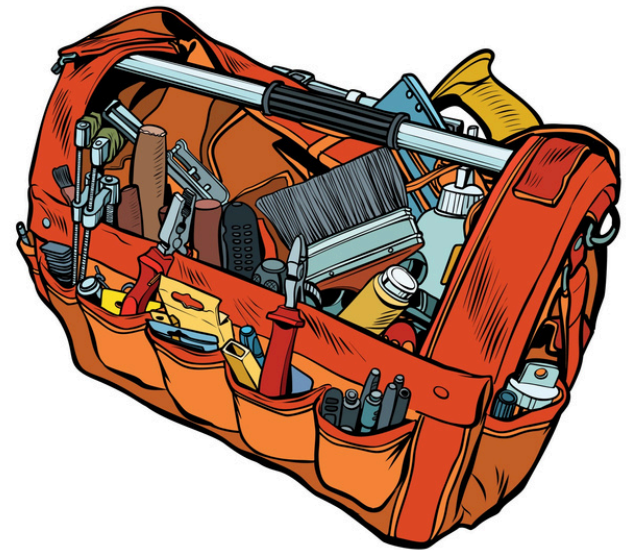
## Refit

Converts REST APIs into .NET interfaces with auto-generated clients.





# #8 - MS OFFICE



## ClosedXML

A library for reading, writing, and manipulating Excel files.

## EPPlus

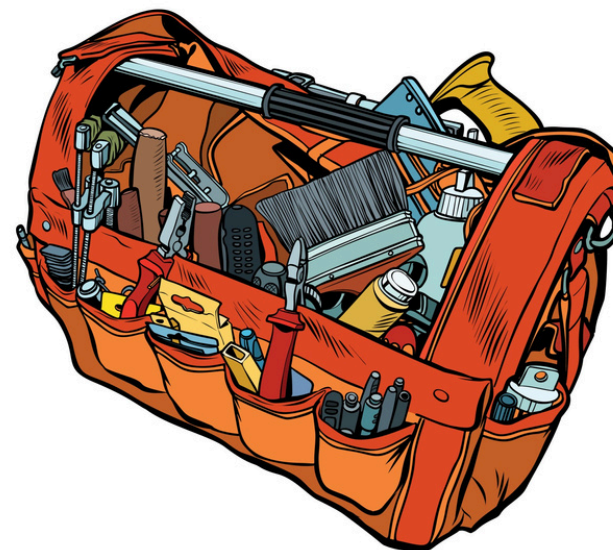
A .NET library for working with Excel files, including charts and tables.

## Excel-DNA

Allows creating Excel add-ins.



# #9 - AUTH



<b>Keycloak</b>	An open-source identity and access management solution.
<b>OpenIddict</b>	A flexible library for adding OpenID Connect and OAuth 2.0 to apps.
<b>Microsoft .AspNetCore .Authentication .JwtBearer</b>	ASP.NET Core middleware for working with JWT tokens.



# #10 - MESSAGING



<b>RabbitMQ.Client</b>	.NET client for RabbitMQ - a message broker for reliable message queuing in distributed systems.
<b>MassTransit</b>	Provides abstraction layer for reducing message-based complexity.
<b>NServiceBus</b>	A service bus for messaging and workflows in distributed .NET systems.



# Thanks for reading!

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