



PROGMASERS
reboot your life!

A .NET FULL-STACK PROGRAMOZÓ KÉPZÉSEN ELSAJÁTÍTOTT TECHNOLÓGIÁK

.NET / C#

- variables, operators, datatypes
- code blocks, methods
- control flow statements
- classes, objects
- interfaces
- collection framework, frequently used BCL types namespaces, access modifiers
- exception handling, basic I/O
- concurrency, multithreading
- LINQ lambda expressions

METHODOLOGY

- clean code, test-driven development, pair prog.
- focusing on software product
- agile team work, SCRUM
- brief, planning, standup, demo, retrospective
- estimation, sprint, Kanban board
- JIRA Agile

WEB / FRONTEND

- HTTP protocol
- HTML/CSS
- Bootstrap
- ASP.NET CORE MVC, WEBAPI, RazorPages
- MVC pattern
- Javascript/ ES6 / Typescript,
- Angular (Components, directives, services, Form handling, Routing, RXJS)
- REST API
- gRPC
- Use dependency injection in .NET
- Options pattern in .NET
- Configuration in .NET
- Logging in .NET

OOP

- UML modeling
- encapsulation
- abstract classes
- composition, inheritance
- polymorphism
- coupling, cohesion
- design patterns (strategy, proxy, factory, singleton)

ALGORITHMS

- sorting algorithms
- searching algorithms
- recursion
- binary trees, graphs

DATABASES

- basic DDL and DML commands
- database design basics (E-R diagrams)
- transactions
- ADO.NET
- DAO pattern
- EF Core
- MSSQL, PostgreSQL, SQLite

TESTING

- TDD using NUnit, xUnit, MSTest
- using Moq, FakeItEasy, Fluent Assertions
- unit testing vs integration testing
- testing with Selenium

DEVOPS

- Using logging frameworks: NLog, Serilog
- How to build and deploy .NET projects?
- Linux basics
- Cloud Deployment

SOFT-SKILLS

- Improvisation workshops
- Communication & presentation workshops
- Team work practice



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TECH STACK

