

Dezvoltarea Aplicatiilor Web utilizand ASP.NET Core MVC

Facultatea de Matematica si Informatica – An II

Curs Introductiv

Sistemul de Notare

“

*Don't limit your
challenges.
Challenge your limits.*


Cezara Benegui – cezara.benegui@fmi.unibuc.ro


Cursuri si Laboratoare - <https://www.cezarabenegui.com/>

Ce vom studia si de ce:

- ASP.NET CORE MVC (.NET 6)
- C#
- SQL Server
- Razor
- HTML / CSS / Bootstrap


De ce?





18 alumni work here


Promoted • 6 applicants



Software Developer .Net
Suvoda
Bucharest, Bucharest, Romania

38 alumni work here

2 hours ago



.Net Developer
Suvoda
Bucharest, Bucharest, Romania

38 alumni work here

6 days ago • 16 applicants

Requirements

- Bachelor's degree or equivalent experience
- 3+ years of experience in ASP.NET MVC or ASP.NET Core with focus on backend development
- Good knowledge of C#, .Net and SQL
- Good understanding of programming principles
- Ability to design, develop, and support software components with low complexity
- Excellent problem-solving skills and learning capability
- Excellent time management and organizational skills
- Strong oral and written communication skills
- Bonus: .NET Core/.NET 5+, distributed systems, Docker, Kubernetes, Jenkins


Benefits found in job post

- Medical insurance

SCHWARZ IT Hub Romania
Bucharest, Romania (Hybrid)


14 alumni work here

Promoted • 16 applicants



.Net Software Developer
Enghouse Transportation
Bucharest, Bucharest, Romania (Remote)

2 hours ago



.NET Software Developer, Services
Suvoda
Bucharest, Bucharest, Romania (Remote)

Your profile matches this job

5 days ago • 23 applicants

Essential Requirements:

- At least 3 years of experience with C# .Net, SQL Server
- Demonstrated expertise in the web technologies with proficiency in C#, .Net, SQL Server, Entity Framework & Model View Controller (MVC)
- Familiarity with Web-Services, Enterprise Service Bus, Kendo UI, GIT, Jenkins
- Programming fundamentals - knowledge of basic principles and concepts of programming languages, as well as conventional development methodologies, frameworks and databases
- Bachelor's degree in computer science preferred (or college degree in progress)
- Proficiency in English

Benefits found in job post

- Medical insurance

.Net Software Developer
Enghouse Transportation
Bucharest, Bucharest, Romania (Remote)
2 hours ago

.NET Software Developer, Services
Suvoda
Bucharest, Bucharest, Romania (Remote)
Your profile matches this job
5 days ago • 23 applicants

Senior Game Designer

What would you need to know?

You would likely be successful in this role if you:

- Proven experience working within scrum teams consisting of 5-10 members, working and planning in an agile environment
- C# development
- .NET Framework
- HTML5/CSS, Javascript, AngularJS and JQuery SQL
- DevOps tools Strong English and communication skills, both written and spoken
- Previous experience working in transportation & logistics applications will be a plus.

BOLD. For the right people

.NET Developer ❤️

BOLD. 📍 -, - + Remote

16.500 - 21.500 RON

Numar de angajati <50	Tipul companiei Services	Nivel de experienta Senior	Tipul postului Freelance	Limba Engleza
--------------------------	-----------------------------	-------------------------------	-----------------------------	------------------

Cerinte

Requirements:

- At least a bachelor's degree in Computer Science (or equivalent)
- Development experience using C# .NET
- Familiarity with the ASP.NET framework, SQL Server and design/architectural patterns
- Knowledge of at least one of the .NET languages (C#, .NET) and HTML5/CSS3
- Both oral and written skills in English

Tehnologii ?

- .NET Framework
- ASP.NET
- C#
- CSS
- HTML5
- .NET

Ce este necesar pentru a incepe cursul:

- Visual Studio 2019 16.8 sau Visual Studio 2022
- .NET 5.0 SDK (pentru VS 2019)
- Laptop
- Acces la internet
- Cunostinte minimale de Programare Orientata pe Obiecte
- Cunostinte minimale de C#
- Cunostinte minimale de SQL / Baze de Date
- Cunostinte minimale de HTML/CSS

Cuprinsul cursului (capitolele de mai jos nu sunt neaparat in ordinea in care vom lucra):

- Introducere in C#
- ASP.NET Core. Sistemul de fisiere
- MVC – Controller
- MVC – View
- MVC – Model
- Entity Framework
- Identity – Inregistrare si Autentificare
- Utilizatori
- Roluri
- Razor
- Bootstrap
- Designul intr-o aplicatie Web
- User Experience
- Autentificare cu Facebook
- Motor de cautare
- Trimitere de emailuri
- Deployment

Structura cursului:

- Saptamanile 1-12 **predare** (pana in saptamana 19-23 Decembrie inclusiv)
- Saptamanile 13-14 **evaluare** (dupa vacanta de Craciun: saptamanile 9-12 Ianuarie si 16-20 Ianuarie)

Sistemul de notare:

- **Proiect** realizat in echipa (echipa = 2 persoane) – 40% (nota trebuie sa fie ≥ 5)
- **Examen pe calculator** (de data aceasta individual) – 60% (nota trebuie sa fie ≥ 5)
- **6 prezente obligatorii in laborator pentru a intra in examen**
- 10 prezente in laborator – Bonus 1 pct

Proiectul:

- Realizat in ASP.NET MVC CORE, in echipa de doua persoane
- Fiecare membru al echipei trebuie sa implementeze jumatate din cerinte
- Proiectul se alege dintr-o lista de proiecte (lista o sa fie pe site)
- Fiecare proiect poate fi ales de un anumit numar de echipe
- **⚠ Presentare intermediara in Saptamana 12 → 19 – 23 Decembrie** (inainte de vacanta de Craciun) fiecare echipa prezinta o varianta intermediara a proiectului (cel putin jumatate din functionalitatile cerute in lista cerintelor)

- **⚠** Echipele prezinta in cadrul laboratorului la care au participat tot semestrul
- **⚠** **Deadline-ul final de prezentare este in saptamana 13** (prima saptamana dupa vacanta de Craciun) → **9 – 13 Ianuarie** in cadrul laboratorului
- Dupa saptamana 13 situatia de la laborator o sa fie incheiata (note, prezente)
- **⚠** NU se pot prezenta proiectele dupa examen
- Proiectele se vor realiza gradual, dezvoltarea lor mergand in paralel cu informatia invatata la curs si laborator
- Pentru managementul task-urilor se va utiliza Trello - <https://trello.com/>

Examen (pe calculator):

- Are loc in **Saptamana 14**, ultima saptamana de laborator
- Fiecare grupa va sustine examenul in timpul orei de laborator
- Examenul se da pe calculator
- Aveti voie cu materiale (laboratoare, cursuri)
- Examenul va fi compus in mare parte din operatii CRUD asupra bazei de date si din elemente parcurse in timpul cursului/laboratorului (examenul nu o sa cuprinda toata materia)
- Conditia este ca ceea ce rezolvati sa ruleze in browser