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.

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Cursuri si Laboratoare - <a href="https://www.cezarabenegui.com/">https://www.cezarabenegui.com/</a>

# Ce vom studia si de ce:

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

## De ce?





Promoted · 6 applicants



#### Software Developer .Net

Suvoda

Bucharest, Bucharest, Romania



2 hours ago



#### .Net Developer

Suvoda

Bucharest, Bucharest, Romania



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)



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

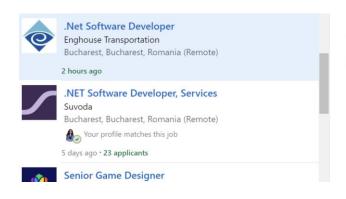
#### **Essential Requirements:**

- 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





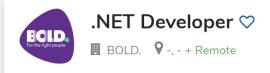
What would you need to know?

You would likely be successful in this role if you:

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- 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.





16.500 - 21.500 RON











#### 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



# 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
- ▶ /!\ Prezentare 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
- ➤ <u>/!</u> 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 <a href="https://trello.com/">https://trello.com/</a>

# **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