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| OSTAP MELNYK  OSTAP MELNYK  Junior backend developer | |  |  |  | | --- | --- | --- | |  |  | C:\Users\Comp_Zona\AppData\Local\Microsoft\Windows\INetCache\Content.Word\free-icon-email-11209244.png [79ostap@ukr.net](mailto:79ostap@ukr.net)  C:\Users\Comp_Zona\AppData\Local\Microsoft\Windows\INetCache\Content.Word\free-icon-telephone-symbol-button-25377.png +380 (96) 5228611  Lviv, [Ukraine](https://www.instagram.com/ukraine.ua/)  www.linkedin.com/in/ostap-melnyk-a09b79283 | |

I am an aspiring developer seeking opportunities for professional growth in the field of software development, specializing in C#, .NET, and ASP.NET Core. I intend to further my expertise in web development, demonstrating a commitment to learning by dedicating ample time to acquiring new and essential technologies. I am open to challenges and unafraid of difficulties. 😊 Actively staying informed about the latest trends in web application development, I augment my knowledge through open resources and documentation. Eager to contribute to innovative projects and continue learning in a collaborative team enviroment.

**Experience:**

1. **Distributed Server Task Optimization:** 04.09.2023 – 10.11.2023

Developed a web application using ASP.NET Core where clients could convert file types. In this project was implemented client authorization and authentication.

The project aimed to create a web application with a backend capable of efficiently handling resource-intensive user requests. It involved creating a complex task that would be solved on multiple servers, along with implementing a load balancer between these servers.

Technologies used: C#, ASP.NET Core MVC, Entity Framework Core, PostgreSQL, Docker, Nginx, HTML, CSS, JS, VCS: Git/Github. Also was used Azure as storage for client data, and WebSocket technology was used to display task progress to clients (SignalR in ASP.NET).

1. **Financial Tracker:** 15.09.2023 – 15.12.2023

Collaborated in the team development of a desktop application utilizing technologies such as Windows Presentation Foundation (WPF), ADO.NET, EF Core, PostgreSQL, and testing frameworks like xUnit and NUnit.

We created an intuitive desktop tool for efficient budget management, expense control, and defining financial goals, ensuring data security and a user-friendly interface.

Development aligned with SDLC, specifically Agile-Scrum/Kanban methodologies, and version control using Git/Github.

1. **CAD Editor for Computer Modeling.** 05.01.2024 – present

I am developing a CAD editor for computer modeling with the aim of creating a tool that implements the finite element method for analyzing three-dimensional elasticity theory problems.

The primary functionality of the web application I am working on allows users to define parallelepipeds, whose edges represent second-order curves, providing objects with arbitrary shapes.

To further analyze loads on structures defined by the user, an algorithm for spatial discretization of the object is implemented.

To achieve this goal, the project includes the creation of multiple servers and their balancing using ASP.NET Core, Docker, and Nginx. The frontend part is developed using HTML/CSS/JavaScript and utilizes the WebGL JavaScript framework, enabling the display of 3D graphics directly in the web browser without the need for plugins, based on the JavaScript API.

**Skills:**

**1. Programming Languages:**

* Proficient in C#
* C++
* Python
* JavaScript, HTML/CSS.

**2. Web Frameworks:**

* ASP.NET Core (MVC)

**3. Database Management:** Knowledgeable in SQL and proficient in working with relational databases such as PostgreSQL and MySQL.

**4. Frameworks and Libraries:**

* .NET
* Entity Framework Core
* SignalR
* WebGL

**5. Version Control:** Familiar with Git for version control and collaborative development.

**6. Containerization:** Docker

**7. Operating Systems:**

* Windows
* Linux (Ubuntu)

**8. Web Development Technologies:** Understanding of data formats (JSON, XML / XSLT)

**9. Web Servers:** NGINX

**10. OOP:**

* Design Patterns
* SOLID and other OOP principles

**11. Cloud Services:** Azure

**12. Agile Methodologies:**

Experienced in Agile development practices, including Scrum and Kanban

**13. Team Collaboration:** Effective communicator and team player, capable of working collaboratively with cross-functional teams to deliver high-quality solutions.

**14. Continuous Learning:** Committed to staying updated with industry trends and technologies to enhance skills and adapt to evolving development practices.

**15. Problem-solving:** Strong analytical skills with a demonstrated ability to troubleshoot and resolve complex technical issues.

**Education:**

**Lviv physics and mathematics lyceum**

2018 – 2021

**Ivan Franko national university of Lviv**

Faculty: Applied Mathematics and Informatics.

Speciality: Computer Science

2021 – present

**Languages:**

* English B2
* Native Ukrainian

**Personal Qualities:**

* **Self-Motivation:** Proactive and self-driven, with a strong desire to learn and grow as a developer
* **Time Management:** Excellent organizational skills with the ability to prioritize tasks and meet deadlines.CSS/JavaScriptРозуміння форматів даних (JSON, XML / XSLT