Pedram Negahban, BSc

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Server Developer, Database Developer, AI Enthusiast

2nd-year computer scientist of bachelor degrees in the university of ELTE. English speaker. Object-oriented programming and data structures expert. Server-side developer and maintenance. Backend and database programmer. C#, Python, JavaScript and Node.JS expert. Familiar with SQL, C, Java, Linux and PowerShell. AI enthusiast, willing to learn and work with generative AI.

KEY SKILL

- Object-Oriented Programming
- Design Patterns
- Server-Side Development
- Client-Side Development
- Web Sockets

- Database Development
- User Authentication
- Concurrent Programming
- Asynchronous Programming
- Backend Development

- Data Structures
- UML Diagrams
- Unity and Unreal game engines
- Unit-Testing
- Automation Systems

WORK EXPERIENCE

CrackInterview

Backend Developer | Ontario, Canada | July 2024 - Present | Remote

Developing the entire backend system for webapps.

- Working alongside and communicating with the frontend team
- Planning the project with fellow backend developers.
- Integrating generative AI into the system.
- User authentication system.
- Database and maintenance.

Eadem Kft

Server Developer | Budapest, Hungary | May 2024 - Present | Hybrid

Developing a server for PVP mode of a game in order to achieve real-time synchronization of the clients

- Server-side development using Node.JS and WebSocket for real-time communication
- Communication with team on the client side
- Client-side development using Unity game engine C#
- Asynchronous programming for Server-Client communication
- Client-Side interpolation for latency management
- Server maintenance

Database Developer Intern | Budapest, Hungary | November 2023 - May 2024 | Hybrid

Developed a database using LootLocker for saving players' username, overall score, etc. Managing data to make sure they are sent to the database.

- Database development using C# and LootLocker technology to store and fetch user data
- Collectables system for random coin spawning, adding scores and saving on database
- User authentication and error handling
- Database maintenance

EÖTVÖS LORÁND UNIVERSITY (ELTE)

Active member of the community | Budapest, Hungary | 2023-present | Hybrid

Co-Founder of the Game-Dev club. Helping bring people who are enthusiastic together. Providing support for freshman foreign students to get settled in Budapest. Tour guiding.

- Demonstrator of the Game-dev club
- Senior Student in the Learning Methodology course

Demonstrator & Teaching Assistance | Budapest, Hungary | 2023-present | Hybrid

Assisting the professor of the Programming Languages in handling quizzes and assignments. Providing consultation to the students. Demonstration of the Web Programming course starting from Autumn 2024. Teaching students JavaScript and PHP for server-side development.

- Teaching assistance and demonstrator in the Programming Languages course
- Demonstrator of the Web Programming course (Starting from Autumn 2024)

PAST PROJECTS

Smart-Home-IoT-Automation-Simulator
Smart Home security system with a GUI for running a simulation

- Implementation of object-oriented programming in Python
- Using tkinter to create a GUI for the application
- Capability of running a simulation

Potato Map
A point and click game

- Front-end development by HTML and CSS
- Development of a dynamic webpage using JavaScript
- Using array functions and JS events
- Adding and submitting scores
- Multiple levels
- DOM manipulation
- Data management

Layer Of Gases
Changing weather depending of layer of gases

- Implementation of object-oriented programming in C#
- Using singleton and factory design patterns
- Unit-Testing

EDUCATIONAL HISTORY & CERTIFICATES

Bachelors in Computer Science | ELTE, Budapest, Hungary | 2022-present (Expected Graduation Date: June 2025)
IoT Fundamentals: Big Data & Analytics | Cisco Certificate | December 2023
Volunteering, Game Development Club | ELTE, Budapest, Hungary | November 2023
Code #LikeABosch Hackathon Participation | Bosch, Budapest, Hungary | September 2023
IELTS 7.0 C1 | British Council, Istanbul, Turkey | January 2022