

Raul Moiş

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Software Engineer and Cybersecurity Student grinding towards my Masters' degree at WUT. Love learning and experimenting with things, so throw as much new information at me as you can. :)

Education

SEPT. 2024 – JUN 2026 (IN PROGRESS)

Masters in Cyber Security | West University of Timișoara

10.00/10.00 GPA (first year) • Scholarship holder

SEPT. 2021 – JUL 2024

B.Sc. in Computer Science | West University of Timișoara

9.66/10.00 GPA

Experience

DEC 2024 – PRESENT

Software Developer | Politehnică University of Timișoara | Timișoara, România

- Design and plan the structure of internal university applications based on requirements, in an agile environment
- Develop and implement features using technologies like **Django** or **Flask** and ensure app security and quality
- Responsible for deployment and management of released applications using **Nginx**, **Gunicorn**, **Docker**

30 MAY – 1 JUNE 2025

HackTM - Hackathon | Second place | Winners of the “Best Web App” Award | Link to the [CitySense App](#)

- **CitySense** is a powerful app designed for spatial demographic analysis, enabling users to visualize and interact with population data effectively, creating a more transparent connection between the citizens and the town hall.
- This app was developed in the 42-hour time-frame of the hackathon along with my 4 fellow team-mates.
- From **idea validation** and obtaining real world anonymized data from the city hall, to building a **fully-fledged app**, **testing and marketing** it, all was done with the goal of making Timișoara more efficient and citizen-friendly.

SEPT 2024 – FEB 2025

Python Programming Laboratory Assistant | West University of Timișoara | Timișoara, România

- Held weekly Python labs with first-year students, guiding them through key programming concepts and practical exercises, while teaching them problem-solving, debugging and applying coding principles in real-world scenarios.

8 JUNE 2024

1-Day coding challenge | Haufe Group | Winner | Timișoara, România

- One of the winners of a 8-hour coding challenge where I created a Movie sharing platform with recommender capabilities using HTML, CSS and Python with the Django framework.

Projects

Machine Learning App - Book Recommender | [Github Link](#)

- A Book Recommender System using Content-Based and Collaborative Filtering approaches combined with **NLP** techniques, submitted as my bachelor's thesis. Offers multiple algorithms to play around with, showcasing the difference between each method. Built using Python with **sklearn**, **pyspark**, **pandas**, **tkinter** (GUI).

Full-Stack Web App – GameConnect | [Github Link](#)

- A **Flask**-based social web application for discovering and managing your game library using the IGDB API, with real-time user presence via **WebSockets**. Supports **Google OAuth** login and **MongoDB** user management.
- Features game/user search, profile pages with favorite games, online status detection, and a clean responsive UI. Built with Flask, Socket.IO, MongoDB, HTML/CSS, and JavaScript. **Deployed on Render**.

Desktop App – Cărturești Wishlist | [Github Link](#)

- A Wish List Application for Carturesti.ro and Libris.ro built using **Java**, JavaFX, **SQL**, and **HtmlUnit** (for web scraping) that notifies the user of the best deals, with an admin dashboard. Also includes Unit Tests for ensuring appropriate functionality of the app.

Training Project – The Adventure | [Github Link](#)

- A small RPG game made in **C#** and **.NET** used to learn and experiment with the **.NET framework**. Was started as part of a .NET university class, but was expanded on my own time to better familiarize myself with the framework.

Skills

Soft: Eye for detail • Quick learner • Problem solver • Analytical • Team Player

Tech: Python • Django • Flask • Java • C/C++ • .NET (beginner) • HTML/CSS • OOP • Docker • Git/GitHub • GitHub-Actions • SQL • MongoDB • Firebase • Data structures & algorithms • Design Patterns • Machine Learning • Deep learning • Nginx • OAuth • Agile/Scrum • Networking • TCP/IP • Secure coding • Linux • Manual/Automated testing • Selenium • Postman • Web app Penetration Testing

Certificates

- Cambridge Certificate in Advanced English
Ability at Level 3: C2 Level
- CompTIA Security+
Ongoing, expected: mid-August

Languages

- **Romanian** – Native
- **English** - Fluent (C2 level)

Hobbies

Travelling • Gaming • Cooking • Tech • Modding • CTF's (+ THM/HTB) & Hackathons