Lazar Alexandru

GitHub   LinkedIn

lazaralexandru14@yahoo.com
Mobile : +40 767 030 386

EDUCATION

- **Babeș-Bolyai University** — Cluj-Napoca, Romania
  Bachelor's Degree in Computer Science (Third/Last year) — 2023-2026

PERSONAL ACHIEVEMENTS

- **Achieved "Specialist" rating on Codeforces.** (competitive programming platform)
- **Achieved Top 5 ranking in the University's (UBB FMI) competitive programming contest**.
- **Silver Medalist at the National Level in Viitori Olimpici (Math Contest).**
- **Took 3rd place at PoliHack 2025 in the AppDev category.**

Work Experience   *2024–Present*

- **Endava — Junior Data Engineer full time** (May 2025 – Present) : Designing and developing data pipelines and systems using Python, SQL, and PL/SQL, including ETL modeling, to enable efficient data collection, transformation, and utilization.
- **Faro Development — Intern Quantitative Trading Analyst / Developer** (July 2025 – Present) : Designing and implementing algorithmic trading strategies using MQL for Forex.   ,
- **AlphaSense**: Built a language-learning platform with 100+ active users using Next.js.   Platform
- **Digital Marketing (Affiliate)**: Boosted course sales by 30% in 2 months through optimized marketing strategies and direct communication with clients.
- **Freelancing (Fiverr)**: Automated workflows with scripts, reducing manual work by 40%.

PERSONAL DEVELOPMENT

- **DeepCode**   Overview
  GitHub Repository   2025
  - **Cross-platform desktop application**: This application enhances the visualization of gene interactions and information, and facilitates the exploration of biological networks using technologies such as Electron, React, Webpack, Python, and TypeScript. (Developed under Qiagen constraints).

- **Block-Hub (Deployed and presented as a showcase at a conference)**   YouTube
  GitHub Repository   2025
  - **Flask (Python), Bootstrap (CSS), Jinja (templating engine)**: Block Hub is a demo of decentralized blockchain web application that allows you to interact with a peer-to-peer network, visualize the current and past states of a blockchain, and modify block data and transactions. Deployed and in-use.

- **Skill-Up (E-learning Platform)**   YouTube
  GitHub Repository   2025
  - **ASP.NET Core 9.0, Entity Framework Core, C#, Razor Views (.cshtml), Bootstrap, SQLite, Identity Framework, SMTP**: Web application featuring user authentication and authorization, coach and course management, an administrative panel, and an integrated email service (SMTP).

- **CTF-Tool (Utilized in real-world competitive cybersecurity challenges)**   Overview
  GitHub Repository   2024
  - **A Comprehensive CTF (Capture The Flag) Tool**: Hash Analysis Utilizing Multithreaded Dictionary Attacks and Brute Force Techniques written in C.

UNIVERSITY PROJECTS

- **BookStore**   Overview
  GitHub Repository   *2024*
  - ○ **Qt-App:**: This is a pure C++ application developed using the Qt framework, featuring a graphical user interface (GUI) that implements CRUD (Create, Read, Update, Delete) operations.

- **Social-Network**   Overview
  GitHub Repository   *2024*
  - ○ **Social-Network:**: Java-based Social Network application that allows users to manage their profiles, connect with friends, and send messages. The application implements user authentication, friendship management, and messaging features, following the MVC architecture.

- **Movie-Rental**   Overview
  GitHub Repository   *2023*
  - ○ **Movie-Rental**: Command-line based movie rental management system, designed to handle operations such as client and movie CRUD (Create, Read, Update, Delete), rental management, and statistical analysis.

SKILLS

- **Programming Languages**: Python, Sql, Javascript/Typescript, C/C++, C#, Java, CSS, Html, Lua, Bash

- **Technologies**: Docker, Git, Linux

- **Languages**: Romanian(native), English(C1), French(B2)

- **Soft Skills**: Problem-Solving, Leadership, Teamwork, Critical Thinking, Adaptability