

## Curriculum Vitae

### Sergiu Batrin



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<b>Location:</b> Timișoara, Romania
<b>Field:</b> Informatics Student
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## Education

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**National College Preparandia Dimitrie Tichindeal** 2021-2025

**West University of Timișoara** 2025 -- Present

Bachelor of Science in Informatics (English)

Relevant coursework: Programming, Data Structures, Algorithms,  
Computer Systems

## Work Experience

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**Independent Projects and Technical Development** 2024 -- Present

- Designed and developed multiple software projects focused on backend and frontend technologies

- Explored cybersecurity concepts through hands-on experimentation using virtualized environments
- Built and tested applications with emphasis on performance, scalability, and clean architecture

## Projects

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### Custom URL Shortener Web Application

- Developed a backend server in Python handling URL redirection and storage
- Implemented efficient mapping logic and routing mechanisms
- Focused on simplicity, performance, and extensibility

### The Growth Compass – Interactive Web Platform

- Created a multi-page web application for self-assessment and personal development
- Integrated features such as IQ tests, personality frameworks (MBTI), and interactive reading modules
- Designed responsive UI using HTML, CSS, and JavaScript

## Technical Skills

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**Programming Languages:** Python, C, JavaScript

**Web Technologies:** HTML, CSS, Basic Frontend Design

**Tools & Technologies:** Linux, Git, Virtual Machines, Development Environments, Espressif Software Development

**Systems Knowledge:** Basic systems programming, performance optimization concepts

## Cybersecurity & Technical Interests

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- Practical exposure to penetration testing environments (e.g., Kali Linux)
- Understanding of system vulnerabilities and secure coding practices
- Interest in ethical hacking, system security, and low-level computing

## Languages

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**Romanian:** Native

**English:** Advanced (C2 level)

## Personal Skills

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- Strong analytical and problem-solving abilities
- Self-motivated learner with a focus on continuous improvement
- Ability to quickly adapt to new technologies and environments

## Additional Information

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- Experience working with virtualization and resource-intensive applications
- Passion for technology, software engineering, and cybersecurity