

Marc Laszlo

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Summary

Innovative full-stack developer with a strong foundation in scalable, high-performance web applications and AI-driven solutions. Passionate about building intuitive user experiences and optimizing software for efficiency. Experienced in React, TypeScript, Node.js, and Flask, with a deep understanding of backend architecture, authentication systems, and database optimization. Adept at collaborating in fast-paced environments to deliver impactful solutions. Always eager to explore new technologies and push the boundaries of software development.

Education

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| Babes-Bolyai University
<i>BS in Computer Science</i> | <i>Oct 2022 – Jul 2025</i> |
| ◦ Coursework: Computer Architecture, OOP, Data Structures and Algorithms, OS, Computational Theory, Networks, Web Development, Databases, Cryptography, Mobile Applications,etc. | |
| Colegiul National "Gheorghe Sincai"
<i>High School Diploma in Mathematics and Informatics</i> | <i>Sep 2018 – Jun 2022</i> |
| ◦ Coursework: Mathematics and Informatics | |

Experience

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| Intern
<i>UBB Tech Transfer</i> | <i>Cluj-Napoca, Romania</i>
<i>July 2024 – Aug 2024</i> |
| ◦ Collaborated with a team of 4 to deliver a feasible and innovative solution to a real-world problem. | |
| ◦ Delivered a technical presentation to stakeholders, outlining feasibility, implementation, and business impact. | |

Projects

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|---|----------------------------------|
| OrthoVision AI Powered Dental App | Repo link here ↗ |
| ◦ Collaborated with a team of 4 on an AI-powered dental X-ray analysis platform for detecting pathologies. | |
| ◦ Engineered an interactive React-based UI, reducing page load times by 40% through performance optimization techniques. Integrated Flask-based AI models for real-time pathology detection, improving dental diagnosis accuracy. | |
| ◦ React, TypeScript, Flask | |
| Toy Language Interpreter | Repo link here ↗ |
| ◦ Developed a custom interpreter supporting conditionals, loops, concurrency, and data types. | |
| ◦ Tools Used: Java | |
| Fullstack Budgeting Web App | Repo link here ↗ |
| ◦ Developed a fullstack budgeting platform with JWT-based authentication and secure transaction management. Optimized backend queries for efficient expense tracking, ensuring scalability to handle thousands of transactions per month. | |
| ◦ Implemented interactive charts for real-time financial insights | |
| ◦ Implemented CRUD operations for expense management, enabling users to add, edit, and delete transactions. | |
| ◦ Tools Used: React, Node.js, TypeScript, JavaScript, Express, Material UI | |

Technologies

Languages: Python, TypeScript, C++, C, Java, C#, SQL, JavaScript

Frameworks and Tools: React, Angular, Tailwind CSS, HTML, CSS, Node.js, Express, .NET, Git, GitHub, Vercel, Unity, Docker, MongoDB, Firebase