

# Horațiu Lazea

## Full Stack Software Engineer

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### ABOUT ME

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Full Stack Software Engineer & SaaS Founder with 3+ years of experience in the TypeScript ecosystem. Proven track record of architecting large scale institutional platforms and launching validated market products. Currently pursuing an MSc in Cybersecurity to build resilient, security-first applications.

### EXPERIENCE

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**Founder & Full Stack Engineer** 03/2026 – Present

*Cortix*

I founded and developed a SaaS platform from the ground up, managing the entire product lifecycle from initial architecture to cloud deployment and payment integration. Within the first 30 days of the MVP launch, I successfully acquired over 400 active users and 20 paid subscriptions by building a modular Python backend and a high-performance Next.js frontend, supported by automated CI/CD pipelines for rapid iteration.

**Full Stack Software Engineer** 06/2023 – Present

*West University of Timișoara*

Architected and developed a massive centralized request management platform, effectively digitizing legacy paper and email based workflows across the institution. Beyond this project, I delivered multiple custom web solutions and complex PHP plugins tailored to University departments needs, while also optimizing the technical infrastructure and security of institutional websites to reduce load times and mitigate vulnerabilities.

**Web Developer Intern** 01/2023 – 06/2023

*West University of Timișoara*

Redesigned and migrated several faculty websites using WordPress and deployed an Open Journal Systems (OJS) platform for academic publishing. My focus remained on improving UI/UX standards and SEO optimization during the transition of institutional digital assets.

**System Admin** 08/2024 – Present

*Sophia Orthodox School*

I manage the technical infrastructure and data security for the school, including the maintenance of their public website and the development of internal platforms like a digital gradebook and document management system.

### EDUCATION

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**MSc in Cybersecurity** 2025 – Present

*West University of Timișoara*

My advanced studies focus on application security, penetration testing, and DevSecOps, aiming to bridge the gap between software engineering and offensive security strategies to build more resilient software.

**BSc in Computer Science** 2022 – 2025

*West University of Timișoara*

I specialized in software architecture and algorithms, culminating in a bachelor's thesis where I developed a secure password manager utilizing AI-based anomaly detection to identify and prevent unauthorized access in real-time.

### SKILLS

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#### Languages

TypeScript, JavaScript, C++, Java, PHP, Python, SQL

#### Frameworks

NestJS, Next.js, React, Express.js, Vite, Node.js, Spring Boot, FastAPI

#### Infrastructure & Security

Docker, PostgreSQL, CI/CD Pipelines, Git, Application Security, Penetration Testing.

### RECENT PROJECTS

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#### Monopoly Empire Game

*Java, Spring Boot, React, Docker*

Web-based multiplayer board game utilizing Server-Sent Events (SSE) for real-time state synchronization between players

#### AI-Powered CV Generator

*Express.js, React, PostgreSQL, Gemini API*

Full-stack resume builder integrating an LLM API for automated content generation. Built with a RESTful backend and a shadcn/ui frontend, enabling seamless user data management and PDF exports.