

# Vădean Flaviu-Alexandru

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## PROFILE

Through computer science, I've been able to combine my deep appreciation for both technology and art.

## EXPERIENCE

### Intern - Full Stack Web Developer

FundMore.ai

07/2024 – 08/2024

- Created new features and fixed bugs for a startup using **Angular**, **Nest.js**, **Sequelize**, **AWS**, and **TypeScript**.
- Contributed to the expansion of a **custom machine learning model** using **Google's Vertex AI**.

### Intern - Full Stack Web Developer

Cicada Technologies

04/2023 – 08/2023

- Developed and tested components and features for **Next.js** projects, while also handling backend development using **Python**, **REST APIs**, and **PostgreSQL**.
- Designed and implemented a web application using **Python that utilizes AI** to extract specific data from given PDF files and **calculate probabilities** based on provided Excel files.
- Built a Python tool** for extracting and exporting data from Trello boards into Excel files.

## PROJECTS

### Povestea lui Harap-Alb

(React Router, React Redux, Phaser, Material UI, Spring Boot, PostgreSQL)

- A full-stack, pixelated, top-down 2D web game** inspired by 'Povestea lui Harap-Alb' for my bachelor thesis.
- User-friendly UI** made with **React**, and authentication implemented using **Spring Boot and Spring Security**.
- Various mini-games let players earn high scores and appear on the leaderboards, with all data stored in **PostgreSQL**.

### TerraTech

(React Router, React Redux, TypeScript, Spring Boot, PostgreSQL)

- A full-stack web application** using **React** and **Spring Boot**, featuring authentication with distinct user roles implemented through **Spring Security**, including **Admin**, **Manager**, and **Employee**.
- Each role comes with unique restrictions, with a primary focus on implementing **user-friendly CRUD operations** and providing comprehensive statistics across multiple teams.

### Gordon Ramsay Simulator

(Next.js, Artificial intelligence, Large Language Models)

- An image identification system using **free large language models and embeddings**, enabling users to provide the image.

## EDUCATION

### Babes-Bolyai University

Faculty of Mathematics and Computer Science

2020 – 2023

- Gained a strong foundation in **object-oriented programming** and **database management** concepts.
- Covered the basics in various programming languages and tools, including **Python**, **C++**, **Java**, and **SQL**.

## COURSES

### DevOps Engineer

Nenos Academy

05/2024 – 09/2024

- Participated in the inaugural edition of the **Nenos Academy DevOps Engineer** course, with a focus on utilizing **Microsoft Azure services**, including **virtual machines**, **DevOps**, and **Kubernetes**.

### AI with TypeScript Workshop

JSHeroes

11/2025

- Explored **Vercel's AI SDK** using multiple LLMs from **OpenAI** and **Anthropic**.
- Implemented an **AI chat log** as a frontend interface and developed **AI agents**.

## TECHNICAL (IT) SKILLS

**Tools** — Visual Studio, PyCharm, Visual Studio Code, IntelliJ, Postman, Docker

**Database Management** — MSSQL, PostgreSQL

**Programming Languages** — JavaScript, TypeScript, Java, Python

**Frameworks and Libraries** — React, Next.js, Angular, Nest.js, Spring Boot, Material UI, | JUnit 5, Mockito

**Cloud Services** — Amazon Web Services (AWS), Microsoft Azure

## SOFT SKILLS

Communication, Teamwork, Flexibility, Problem Solving, Open-mindedness

## INTERESTS

Programming, Game development, Food, Content creation and editing

## LANGUAGES

**Romanian** — Native, **English** — *Cambridge English: Advanced (C1)*, **Italian** — *A1*