



Făță Alexandru-Mihail

Software Developer

ABOUT ME

Motivated **Junior Software Engineer** with a strong foundation in **computer science fundamentals**, including **data structures**, **algorithms**, and **multithreaded programming**.

Proficient in **C#, Java, C++**, and **Python**, with hands-on experience in both **backend (ASP.NET Core, Spring Boot, Node.js)** and **frontend (React, React Native, TypeScript)** development.

Familiar with **SOLID principles**, **design patterns**, and **unit testing**, and experienced in building **scalable, maintainable applications** with **RESTful APIs**, **JWT authentication**, and **client-server communication (TCP/UDP)**.

Curious, fast-learning, and passionate about applying technology to solve **real-world problems** through clean, efficient code.

EXPERIENCE

Lucian Soft

01/2024 - 05/2024

Web Development Intern

- Assisted in developing and maintaining **web applications** using **C#, ASP.NET, JavaScript**, and **SQL Server**.
- Collaborated with senior developers on **feature implementation**, **bug fixing**, and **API integration**.
- Gained experience in **testing RESTful APIs** with **Postman** and managing version control with **Git**.
- Improved understanding of **frontend optimization**, **responsive UI design**, and **database performance tuning**.

PROJECTS

SpotPark - Smart Parking Marketplace (ASP.NET Core & React Native)

Developed a **mobile-first parking platform** designed to **reduce traffic congestion** in major cities by **optimizing the use of private and public parking spaces**. The system connects **drivers with nearby available spots** and enables **space owners to generate passive income**.

Focused on creating a **seamless user experience** with **secure payments**, **real-time reservations**, and **location-based navigation**. Implemented **modern software architecture** to ensure **scalability**, **maintainability**, and **high performance** across mobile and backend systems.

Technologies: ASP.NET Core, React Native, SQL Server, Entity Framework, Stripe API, Google Maps API, JWT Authentication

HomeLab Server (Linux & Docker)

Built and maintain a self-hosted lab environment on **Debian** using **Docker** and **Portainer**, hosting services such as **n8n**, **Vaultwarden**, **Jellyfin**, and **GitLab** with CI/CD pipelines, automated backups, and monitoring using **ESP32**.

Through hands-on practice, I've developed solid skills in **Linux administration**, **container orchestration**, and **remote server management**.

Currently expanding my expertise with **Jenkins**, **Ansible**, and **Kubernetes**, focusing on **infrastructure automation** and **system reliability**.

Real Estate Web Application (Spring Boot & Next.js)

Developed a **full-stack real estate platform** that connects **property owners directly with buyers and tenants**, eliminating intermediaries and increasing visibility for individual listings.

Built with **Next.js** for a **fast, SEO-optimized frontend** and **Java Spring Boot PostgreSQL** for a **secure and scalable backend**.

Implemented **modular architecture**, **role-based authentication**, and **data validation** to ensure maintainability and clean code practices.

The platform features **advanced property search**, **map-based browsing**, and **zone-specific navigation**, offering a **modern and user-focused experience** with **enterprise-level reliability**.

Technologies: Java Spring Boot, Next.js, PostgreSQL, REST APIs, JWT Authentication, React, TailwindCSS

CONTACTS

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<https://github.com/MihaiAlexandruF>

Bucharest

<https://portfolio-iota-ochre-15.vercel.app/>

EDUCATION

Faculty of Cybernetics, Statistics and Economic Informatics

Master's Degree in E-Business

2025 - Present

Faculty of Cybernetics, Statistics and Economic Informatics

Bachelor's Degree in Computer Science and Economics

2022 - 2025

SKILLS

Backend

C# · Java · Python · C/C++ · PL/SQL · .NET ·

ASP.NET Core Web API · Windows Forms ·

Java Spring · MS SQL Server · SQL Developer ·

Entity Framework · AutoMapper

Frontend

JavaScript · TypeScript · HTML · CSS · React.js ·

React Native · Next.js · Axios ·

Mobile UI/UX principles

Additional Skills

OOP · Docker · Linux · Bash · Git ·

Socket Programming · UDP/TCP/IP ·

Data Structures & Algorithms ·

SOLID Principles · Design Patterns ·

Unit Testing · Embedded System · ESP32 ·

Expo · Selenium · Postman · BeautifulSoup