



# Fătă 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

+40767612323

fataalexandru22@stud.ase.ro

<https://www.linkedin.com/in/alexandru-mihail-f%C3%A2%C8%9B%C4%83-2a76b3267/>

<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