cristecasian@gmail.com
+40743031248

Casian-Stelian Criste
casiancriste.netlify.app

Github: AllCasian
Linkedin: Casian Criste

Summary

I'm a Software Engineer who loves solving problems and exploring new ideas. I enjoy collaborating with others and learning as I go. I'm always looking to expand my skills and discover better ways to approach challenges.

Education

Cluj-Napoca, RO	**Technical University of Cluj-Napoca**	10/2021 - 07/2025

- Bachelor of Engineering in Computer Engineering.

Work Experience

Remote	**Core Elevating Media**	07/2024 - 08/2024

Software Engineer Intern
- Contributed to full-stack web development using React, Node.js, Express, and SQL.
- Built responsive user interfaces and integrated RESTful APIs with JWT-based authentication.
- Implemented automated testing (unit, integration, and E2E) using Jest and Cypress.
- Collaborated with the development team using Git and CI pipelines (Jenkins).

Farcasa, Romania	**Eaton**	07/2019 - 08/2019

Electrical Assembly Technician
- Assembled and wired electrical contactors and components within industrial electrical panels.
- Interpreted electrical schematics and followed technical and safety standards.
- Performed quality checks to ensure correct assembly and functional compliance.

Projects

AI-Powered Recipe Finder App
- Built a React Native + Expo app with TypeScript and responsive styling using NativeWind.
- Integrated Google Gemini API for real-time recipe suggestions.
- Implemented search, loading states, and dynamic navigation with Expo Router.
- Created a favorites system with React Context API for managing preferred recipes.

Energy Management System
- Developed a distributed Energy Management System with Spring Boot microservices for client, device, and monitoring operations.
- Used RabbitMQ for asynchronous service communication, enabling real-time sensor data processing and alerts.
- Deployed services in Docker with Traefik for load balancing, HTTPS, and unified routing.

Automatic Guitar Tuner
- Built an automatic guitar tuner with Arduino Uno, detecting pitch in real time using a custom FFT-free algorithm and ADC interrupts.
- Controlled a 28BYJ-48 stepper motor for automatic string adjustment, with analog amplification for accurate signal capture.
- Developed a Flask backend to store tuning data into a MySQL database and a React frontend for real-time visualization.

Technical Skills

- Languages: C/C++, TypeScript, JavaScript, HTML/CSS, Python, Java, Kotlin, VHDL, Assembly.
- Frameworks and libraries: React, React Native, NativeWind, TailwindCSS, Expo, Angular, Node.js, Flask, Spring Boot, OpenGL, OpenCV.
- Tools: MySQL, PostgreSQL, MongoDB, Git, Docker, Traefik, Nginx, RabbitMQ, Linux, Arduino.

Certifications

Social Enterprise Manager
- Gained leadership, teamwork, problem-solving, innovative thinking, and strong communication skills through social enterprise management training.