



ALFRED GABRIEL CIUCA ANDREI

Software Architect | Full-Stack Developer

CONTACT

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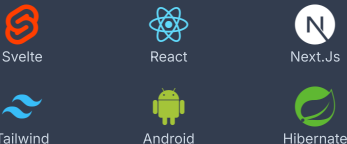
LANGUAGES

Table with 3 columns: Language Code, Language Name, Proficiency Level. Includes Spanish (Native), Romanian (Native), English (Professional), Basque (Intermediate), Italian (Beginner).

PROGRAMMING LANGUAGES



FRAMEWORKS



DB & DEVOPS



SPECIALIZATION

- Software Architecture
Distributed Systems
Microservices
Computer Vision
Embedded Systems
ESP32, Arduino, UWB
PLC (TIA Portal)
Cybersecurity
Multi-Agent AI

ALFRED GABRIEL CIUCA ANDREI

Software Engineer | Full-Stack Developer

Specialized in Industrial Systems · Computer Vision · Multi-Agent AI

Professional Profile

Young software developer and architect, specialized at the intersection of industrial hardware, computer vision, and production software. The problem I solve better than most is bridging the physical and digital worlds...

At EXOM Engineering I designed the low-latency binary communication layer that controls the SdLBS® system in real time. With IAKIA I built from scratch a security system fusing Ultra-Wideband radio with contextual vision...

Professional Experience

- Software Developer at EXOM Engineering (FP Dual) - June 2025 - Present. Industrial Control Architecture, Embedded Systems, Machine Vision & Hardware, Accelerated Processing, Digital Identity.
Founder & Lead Developer at IAKIA - Intelligent Positioning & Security System - Personal Project in Development - Early Stage. UWB Technology + AI Vision, Full Stack, Cloud Ecosystem, Achievements.

Education

- Higher Degree in Cross-Platform Application Development (DAM) at Arangoya Bilbao (2024 - 2026)
Bachelor's Degree in Health Sciences at El Regato Ikastetxea (2022 - 2024)

Certifications

- Google AI Professional Certificate (2026)
Google Cybersecurity Professional Certificate (2026)
Applied Data Science with Python Certificate (2026)
Building with the Claude API Certificate (2026)