

Alfredo Ramos García

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Professional Profile

Computer Engineer with experience in software development, project documentation, and collaboration in multidisciplinary teams. Adaptability to high-pressure environments and a strong focus on continuous learning, with a particular interest in cybersecurity and technology infrastructure management.

Work Experience**Software Engineer**

Alten Soluciones Productos Auditoría e Ingeniería SAU, El Puerto de Santa María, Cádiz (2023 - Present)

- Software development for internal products and clients such as Navantia.
- Project documentation and maintenance.

Software Development Intern

Alten Soluciones Productos Auditoría e Ingeniería SAU, El Puerto de Santa María, Cádiz (2023, 6 months)

- Software development in projects such as C4IP and Digital Twin.
- Preparation of technical documentation.

Software Development Intern

Surcontrol, El Puerto de Santa María, Cádiz (2023, 2 months)

- Software development in production environments.

Academic Background**International University of La Rioja (Online)**

Master's in Cybersecurity (2025 - Present)

School of Engineering, University of Cádiz

Bachelor's Degree in Computer Engineering (2017 - Present)

I.E.S. Castillo de Matrera, Cádiz

High School Diploma in Technological Sciences, with French as the first language (2015 - 2017)

I.E.S. Castillo de Matrera, Cádiz

Bilingual Secondary Education in Technological Sciences, with English as the first language (2011 - 2015)

Certifications and Additional Courses

- **CCNP Routing & Switching Route:** Implementing IP Routing, Cisco (Online, 2021)
- **CCNA Routing & Switching:** Introduction to Networks, Cisco (Online, 2020)

Skills and Knowledge

Software Development

- Languages: C, C++, Node.js, TypeScript, Python, Java, JavaScript.
- Web development: HTML, CSS (intermediate level), React.js, Next.js, Astro.
- Databases: design and administration (2 years of experience in collaboration with the UCA).
- Containers and cloud: Docker, Kubernetes, AWS.
- Experience with REST and GraphQL APIs.
- 3D game development with Unity.
- Basic knowledge of data mining.

Cybersecurity

- Risk analysis and cybersecurity governance (ISO 27001, NIST).
- Digital forensics: evidence recovery and post-mortem analysis.
- Incident response and contingency planning.
- Network security: IDS/IPS, threat detection, and secure segmentation.
- Ethical hacking and penetration testing (Pentesting using OWASP and OSSTMM).
- Malware analysis and reverse engineering.
- Secure software development and technical auditing.
- Cybersecurity in Big Data and distributed systems.
- Legal knowledge: cybercrime, GDPR, and current data protection regulations.
- Technical risk communication and coordination with non-technical teams.

Languages

- **Spanish:** Native
- **English:** Intermediate-high level (B2) - Aptis Certification
- **French:** Intermediate level (B1) - One-month stay in France

Additional Information

- Proactive, outgoing, and team-oriented.
- Ability to adapt to dynamic and high-pressure environments.
- Interest in emerging technologies and continuous learning improvement.