

María de las Angustias Izquierdo García

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Junior Cybersecurity Engineer | CCST & SC-900 Certified

Experience

Bracelit, Software Engineer | Granada, SPAIN

May 2025 - Present

- Built a club member management web application end-to-end: Angular frontend and Laravel backend handling payments, PII, and member documents with role-based access controls aligned with PCI-DSS and GDPR requirements.
- Conducted security-focused code reviews across JavaScript, PHP, and TypeScript codebases, identifying **30+ vulnerabilities**; authored secure coding guidelines reducing integration risks by **25%**.
- Automated credential printing and invitation workflows, reducing human-error attack surface by **20%**.

Bracelit, Software Engineer Intern | Granada, SPAIN

Nov 2024 - Apr 2025

- Built access management app for Málaga Fair, integrating physical and digital credential validation for **3,000+ attendees**.
- Designed UI for Boxlit IoT devices using Ionic, gaining exposure to IoT attack surface considerations.
- Optimized QR/NFC scanning module for data integrity and secure transmission, reducing errors by **23%**.

Skills

Security	OWASP Top 10, Secure SDLC, IAM, CIS Benchmarks, STRIDE, NIST CSF, MITRE ATT&CK, GDPR, PCI-DSS
Security Tools	Semgrep, OWASP ZAP, Trivy, Gitleaks, Wireshark, Nmap, Burp Suite
Languages	Python, Java, C/C++, PHP, JavaScript/TypeScript, SQL, Bash
Development & APIs	Flask, Laravel, Angular, REST APIs, JWT/OAuth, Node.js
Infrastructure	AWS (IAM, VPC, S3, CloudTrail), Terraform, Docker, Linux, Git, CI/CD, GitHub Actions

Certificates

2025 **Cisco Certified Support Technician (CCST) Cybersecurity**, Cisco Systems

2025 **SC-900: Security, Compliance, and Identity Fundamentals**, Microsoft

Projects

Security Lab Portfolio (In Development)

- **Cloud Security Architecture Lab** — secure AWS environment with Terraform IaC, least-privilege IAM, VPC segmentation, S3 hardening, and CloudTrail audit logging.
- **Security Hardening & Automation Framework** — Python tooling that audits and hardens Linux systems against CIS Benchmarks, automating firewall rules, permission enforcement, and compliance reporting.
- **Application Security Pipeline** — threat modeling with STRIDE, CI/CD security gates using Semgrep, OWASP ZAP, Trivy, and a documented secure code review process.

Secure Visual Classification Platform (Bachelor Thesis Project)

Grade: 10/10

- Architected secure full-stack platform with Flask REST API implementing authentication, Redis session management, and role-based access control.
- Designed multi-database architecture with PostgreSQL (parameterized queries), Redis (secure sessions), and MongoDB (isolated log layers).
- Implemented input validation and secure API endpoints following OWASP best practices; deployed with Docker for environment isolation.

Education

Master's in Cybersecurity

Universidad Internacional de La Rioja (UNIR) | Spain

On-going

BTech in Computer Science & Computer Engineering

Escuela Técnica Superior de Ingenierías Informática y de Telecomunicación | University of Granada, Spain

UGR Top 100 (Shanghai 2024)

BSc in Business Administration

Facultad de Ciencias Económicas y Empresariales (FCCEE) | University of Granada, Spain

Languages

Spanish Native proficiency

English C1 level – B2 certified (Pearson English for IT – GSE 59–75)