AYTHAMI MELIÁN PERDOMO

Security Champion | SSDLC y Secure Development | APIs & PHP
Online Software Architect | Cybersecurity | Linux | OWASP | PSD-I

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🔗 linkedin.com/in/aythami-melian ⭘ https://github.com/ajmelian/
📍 Las Palmas de Gran Canaria, Canary Islands (Spain)

HABILIDADES/SKILLS

SSDLC DevSecOps OWASP Top 10 SAST & DAST Vulnerability management Validation of Inputs Sessions Control

RBAC PHP 8.x CodeIgniter Laravel APIs REST Git CI/CD Clean Code Refactoring Performance analysis Testing

SonarQube Burp Suite Snyk Linux (sysadmin) GitLab Jira Private Blockchain (EOS.IO) IPFS

RESUMEN/SUMMARY

Senior professional with over 20 years of experience in secure online application development, specializing in implementing DevSecOps practices, integrating security into the software lifecycle (SSDLC), and leading data protection initiatives in compliance with OWASP, GDPR and NIS2.

As an architect and technical mentor, I have helped government, healthcare and enterprise organizations to raise their quality and security standards, training development teams, auditing code (SAST), performing penetration testing (DAST), and driving a culture of security from the initial design phases.

My differential value lies in my ability to unite code, strategy, compliance and human support in real and demanding environments.

LAST WORK

Security Solutions Architect and PHP Software Engineer

04/2014 – 05/2025   Freelance

Under my **own brand, CodeSecure Forge**, I lead the design, development and assurance of secure online applications, integrating advanced **SSDLC** practices, DevSecOps methodologies, and **EU/GDPR** compliance. I act as a technical reference for organizations seeking to strengthen their security from design, implementing continuous audits, **SAST/DAST** analysis, and Clean Code methodologies in critical environments, ensuring software security and quality.

Responsibilities:
1. Design and development of secure applications with **PHP 8.x** and REST architectures.
2. Source code auditing (SAST) with tools such as SonarQube, dependency analysis with Snyk, and penetration testing (DAST) with Burp Suite and Acunetix.
3. Implementation of SSDLC practices: input validation, session control, role management, and protection against OWASP Top 10.
4. Leadership in CI/CD security integration, with DevSecOps approach.
5. Training and technical mentoring to development teams on applied security and preventive culture.
6. Compliance and advice on GDPR, NIS2, eIDAS and ENS regulations.
7. Leadership of development teams for cybersecurity projects.
8. Consulting in blockchain projects, and IPFS, ensuring integrity, traceability and confidentiality.
9. Active participation in cybersecurity projects for public administrations and companies in the health and legal sector.
10. Effective communication with technical and non-technical staff, providing strategic and operational vision.

DEVELOPED APPD

TrackAlert

Platform for Asset Cyber-Exposure and Online Reputation Management of a given company, simply by indicating the main domain, TrackAlert will perform the cyber-intelligence work that hackers do prior to an attack, locating all the associated and exposed assets, to subsequently generate a report with all the information collected.
URL: N/D | *Lazarus Technology Property*

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Deep Infusion

Platform for Management and Monitoring of Digital Identity and Reputational Risk of individuals and companies. We search the open web and deepwep for the data provided, in addition to locating references or mentions of the desired profile. In this way, the user is able to know the public information about his person or company, and request its removal in case of violation according to current legislation.
URL: N/D | *Propiedad de Lazarus Technology*

PseudoWAF

Basic implementation of a Web Application Firewall (WAF) in PHP, designed to detect and block malicious activity based on the latest OWASP Top 10 rules. This script allows filtering HTTP requests for common vulnerabilities and automatically bans malicious IPs using iptables for 24 hours.
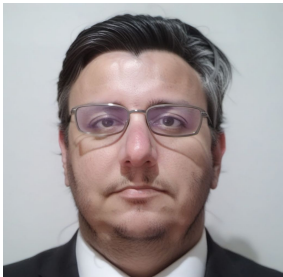URL: github.com

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VULNERABILITIES IDENTIFIED

The vulnerabilities reported have been carried out following secure development guidelines, analyzing the source code of the applications and proposing to the maintenance teams a solution for their correction and, therefore, mitigation.

CWE-787: Out-of-bounds Write en PHP 8.3.11
ID INCIBE: INC-2024-0116 | CVE: PDTE

8.3
CVSS 3.1

CWE-787: Out-of-bounds Write en Nginx 1.26
ID INCIBE: PDTE | CVE: PDTE

8.3
CVSS 3.1

OTHER WORK EXPERIENCES

PHP Software Engineer at Lazarus Technology

06/2017 - 04/2024   `Freelance`

As a Back-End Developer, I play a key role in the analysis, development and implementation of custom cybersecurity solutions for the enterprise, with a focus on EU/GDPR compliance.
+ TRACKALERT: the Enterprise Cyber Exposure and Online Reputation Analyzer.
+ DEEP INFUSION: Platform for managing and monitoring the digital identity and online reputation of individuals and companies.

IT Analyst and Software Engineer Online at Atos Origins

06/2013 - 04/2018   `Cuenta Ajena`

Analysis and Development of High Performance Online Software for 4th level LOPD client, establishing the client at the forefront of technology in the Health System. For this, after gathering requirements and precise documentation, a multidisciplinary team is formed for the use of PHP7 technology and Distributed Databases (Blockchain tech) in Linux environments.

Senior Developer at IECISA

11/2005 - 05/2013   `Cuenta Ajena`

Analysis, development and management of online software for the management of continuous training of teachers of the Autonomous Community of the Canary Islands and the Principality of Asturias. The online software manages all aspects related to the continuous training of professionals, from the application and merits for access to the issuance of certificate and notification to HR for salary review.

FORMACIÓN

Sup. Techn. in Administration of Computer Systems	Degree in Computer Engineering
at IES Roque Amagro	at UOC
2001 – 2003	2023
MECES 1	*MECES 2*

CERTIFICATIONS

Professional Scrum Developer I

Official Scrum.org certification that validates knowledge of how to deliver quality software using the Scrum framework and including the application of modern Agile and DevOps practices, demonstrating an understanding of the fundamentals of applying Scrum to software development.
CREDENTIAL

Leadership for Software Project Development

The management and leadership of software teams is an art that requires training. In this course you will learn the characteristics that will lead you to develop your capabilities as a leader, from soft skills to those of the technical area, so that you will be able to obtain the best results together with your workforce, closing projects successfully and with a high rate of satisfaction from the development team itself.
CREDENTIAL

Software Architecture

A good architect evaluates proposed designs and methodologies and provides feedback to take into account the big picture and all external needs. Lee guides you through a day in the life of an architect, allowing you to see the roles architects can play for themselves and others. The modern architect must keep several principles in mind, and Lee discusses each of them.
CREDENTIAL

OTHER CERTIFICATES AND LICENSES

PUBLICATIONS

Practical PHP 8.x Security Handbook: Protecting Web Applications Against Threats
Ver en Amazon

Gestión de Deuda Técnica en Aplicaciones Online
Ver en Github