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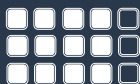
/in/marcos-martin-gutierrez/

Language



English

Read
Written
Spoken



Spanish

Read
Written
Spoken



Marcos Martín Gutiérrez

DevSecOps Engineer & Scrum Master

I am a passionate and curious cybersecurity professional, currently working as a DevSecOps Engineer and Scrum Master at Swisscom. I ensure security best practices throughout the SDLC and drive team collaboration and agility. With a Master's in Cybersecurity from UNIR and certifications like CDP, CCNSE, CCSE, CASP, and CTMP, I continuously strive to expand my expertise in information security, ethical hacking, and agile methodologies.

Work Experience

September 2022 - Present

Swisscom | Rotterdam (The Netherlands)

DevSecOps Engineer

- Act as a bridge between development, operations, and security teams to integrate security best practices across the SDLC.
- Evaluate, test, configure, and deploy innovative security tools like SAST solutions (e.g., Semgrep, GitLab Advanced SAST) in CI/CD pipelines.
- Review false positives and enhance the accuracy of security tool outputs.
- Develop Python-based tools with Streamlit to automate KPI collection for the Security Maturity Model 2.0 across the organization.
- Create and manage metadata for policy enforcement using Styra.
- Onboard applications into Prisma Cloud for enhanced cloud security.
- Collaborate with business units to define and implement security measures and assess their effectiveness.

Scrum Master

- Guide teams as a servant leader, fostering collaboration and agility through lean-agile practices.
- Facilitate Scrum rituals to ensure alignment and progress toward goals.
- Improve transparency and optimize capacity planning to enhance team productivity.
- Eliminate obstacles and dependencies to enable efficient workflow.
- Coach team members to embrace agile principles and drive continuous improvement.

July 2021 - September 2022

Aegon | Madrid (Spain)

Application Security Engineer

- Enhance application security functions and services.
- Conduct code reviews and manage bug remediation processes.
- Lead vulnerability scanning, penetration testing remediation, and technical debt resolution.
- Integrate and manage SAST/DAST security tools.
- Collaborate with business and technical teams to identify security requirements and ensure process resilience.
- Ensure the implementation of security standards throughout critical IT projects and the SDLC.

January 2021 - July 2021

Between Technology | Barcelona (Spain)

Security Analyst

- Implement security measures (ISO 27001, ENS) in ongoing projects.
- Secure data, file integrity, registry encryption, and network access control.
- Detect vulnerabilities in source code (C++, .NET).
- Design security architectures.
- Document test reports and conduct risk and vulnerability analyses.

March 2019 - December 2020

Giesecke+Devrient Mobile Security | Barcelona (Spain)

Test Manager

- Manage test design, execution, and analysis.
- Create and implement test cases using a C++ automation framework.
- Execute, analyze, and fix bugs while reporting system behavior.

Skills



Cyber Security

SSDLc, Fuff, SQLMap, OWASP, Kali Linux, Metasploit, NMAP

Coding/Scripting

C, C++, Groovy, Python, Java, Bash, JavaScript, VB.Net, Perl



DevSecOps

• CI/CD Systems: GitLab, Jenkins, GitHub Actions, CircleCI
• Tools: OWASP ZAP, Ansible, InSpec, Trivy, Semgrep, gitleaks, Dependency-Track, DefectDojo
• Automation: Integration of SCA (Safety, RetireJS) and SAST (Bandit, Semgrep) in CI/CD pipelines



Containerization and Orchestration

• Containerization: Docker, Podman
• Orchestration: Kubernetes, Docker Swarm
• Security: Harbor, Seccomp, AppArmor, gVisor, Trivy, Cosign



Application Security

• SAST: SpotBugs, Bandit, Semgrep, TruffleHog
• DAST: OWASP ZAP, Burp Suite, Nikto
• SCA: Safety, RetireJS, Snyk, Dependency-Track
• Secret Scanning: detect-secrets, gitleaks



Infrastructure and Compliance as Code

• Tools: Terraform, Ansible, Checkov, InSpec
• Compliance Validation: OpenSCAP, CIS Benchmarks



API Security

• Tools: Postman, Burp Suite, Kong Gateway
• Methods: OAuth2, JWT, CORS, CSP
• Vulnerability Exploitation: Injection, Privilege Escalation, Cross-Origin Misconfigurations



Cloud-Native Security

• Kubernetes Security: RBAC, Network Policies,
• Admission Controllers, Audit Logs
• Monitoring: Falco, Wazuh, Kubernetes Audit Logs
• Threat Detection: KubiScan, Krane



Vulnerability Management

• Tools: DefectDojo, Wazuh



Threat Modeling

• Frameworks: STRIDE, DREAD, OWASP Risk Rating
• Tools: OWASP Threat Dragon, Threagile, pyTM
• Techniques: Rapid Threat Model Prototyping, Agile Threat Modeling



Agile

Jira, Scrum, Confluence

Education History

November 2019 - December 2021

UNIR | Barcelona (Spain)

Master's Degree in Cybersecurity

- Know the characteristics, functionalities and structure of distributed systems, computer networks and the Internet.
- Identify the functionalities and structure of the databases.
- Use the tools necessary for storage, processing and access to information systems.
- Know the principles, methodologies and life cycles of software engineering.
- Evaluate person-computer interfaces.

Master's thesis "*Telefónica Challenge: Study of the characteristics that affect wireless services in routers*", ElevenPaths.

November 2013 - May 2019

Universidad de Valladolid | Valladolid (Spain)

Bachelor's degree in Telecommunications Engineering (Electronic Systems specialization)

Final thesis: "*Remote monitorization (via smartphone) of the oxygen levels in a wine production factory*": Design and production of the electronic system, firmware programming and smartphone application.

Certifications

- 2024 - (CASP) **Certified API Security Professional** by Practical DevSecOps
- 2024 - (CTMP) **Certified Threat Modeling Professional** by Practical DevSecOps
- 2024 - (CCNSE) **Certified Cloud Native Security Expert** by Practical DevSecOps
- 2024 - (CCSE) **Certified Container Security Expert** by Practical DevSecOps
- 2024 - (CDP) **Certified DevSecOps Professional** by Practical DevSecOps
- 2021 - **Internal Auditor ISO 27001:2013**, Information Security Management Systems (UNIR) with TÜV Rheinland Certified Qualification:
https://www.certipedia.com/quality_marks/0000069275
- 2021 (40h) - Python programming by UNIR
- 2021 (40h) - Lead Cybersecurity Professional Certificate - LCSPC™ by CertiProf.
- 2021 (20h) - Scrum Foundation Professional Certificate by CertiProf.
- 2021 (20h) - Cyber Security Foundation Professional Certificate - CSFPC™ by CertiProf

Mentions & Awards

• Telefónica Challenge (ElevenPaths): "Study of the hacking characteristics that affect the wireless services on routers"

An analysis of the characteristics of the router that can affect the quality of the WiFi is carried out, that is, different attacks will be performed on the router, looking for vulnerabilities and the behavior of the router is studied in the face of these different attacks, establishing patterns.

• Patent Request:

Electronic device and sensor data collection system.

• Intellectual Property Application:

Mobile application that analyses and measures in real time the oxygen levels for a wine production factory.

• Explorer Program 'Jóvenes con Ideas' 2019 - Entrepreneurs:

"IoT Common Sense" project: Explorer 'Jóvenes con Ideas' is Banco Santander's entrepreneurship program that helps to land projects by promoting their market launch.

• PROMETEO 2019 Award for innovation and development of market-oriented prototypes:

Electronic system that gathers and sends data remotely from an oxygen sensor for a wine production factory.

• PROMETEO 2019 Award for innovation and development of market-oriented prototypes:

Mobile application that analyses and measures in real time the oxygen levels for a wine production factory.