

Carmen Rodriguez

Mexico City, Mexico

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Education

National Autonomous University of Mexico (UNAM)

Master of Science in Information Security

Aug 2019 - Jul 2021 | Mexico City, Mexico

GPA: 9.7/10.0

Activities: Cybersecurity Research Lab, Capture The Flag Team Captain, Security Conference Speaker

Relevant Coursework: Application Security, Secure Coding Practices, OWASP Top 10, Vulnerability Assessment, Code Review, DevSecOps, Security Testing

Bachelor's Degree: B.Sc. in Computer Science, Monterrey Institute of Technology, GPA: 9.5/10.0

Work Experience

Application Security Engineer | Banco de México | Aug 2021 - Present | Mexico City, Mexico

- Implemented secure development lifecycle (SDLC) reducing critical vulnerabilities in production code by 85%.
- Conducted security code reviews and penetration testing for core banking applications handling \$10B+ in daily transactions.
- Developed automated security scanning tools integrated with CI/CD pipelines identifying vulnerabilities during early development stages.
- Established secure coding standards and training programs for 200+ developers across the organization.

Skills

AppSec: Static Analysis, Dynamic Analysis, Interactive Analysis, Software Composition Analysis

Secure Coding: Input Validation, Output Encoding, Authentication, Authorization, Session Management

Vulnerabilities: OWASP Top 10, CWE Top 25, SQL Injection, XSS, CSRF, SSRF, XXE, Insecure Deserialization

Security Testing: SAST, DAST, IAST, Fuzzing, Penetration Testing, Dependency Scanning

DevSecOps: Security in CI/CD, Container Security, Infrastructure as Code Security, Automated Security Testing

Tools: Checkmarx, Fortify, SonarQube, OWASP ZAP, Burp Suite, Snyk, Nessus

Other: Threat Modeling, Secure Architecture Design, Security Requirements, Security Standards (NIST, ISO)

Certificates

Certified Secure Software Lifecycle Professional (CSSLP)

GIAC Certified Web Application Defender (GWEB)

Certified Ethical Hacker (CEH)

OWASP Application Security Verification Standard Expert

Awards

AppSec Professional of the Year – Latin American Security Conference 2023

Best Security Implementation – Mexican Banking Association 2022

Top Security Researcher – OWASP Mexico Chapter 2021