

# 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