



# Alejandro Flores Covarrubias

## Personal Information

📍 Monterrey, Mexico  
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## Profile

Senior Application Security Engineer with hands-on experience building and operating application security programs across cloud-native environments. Strong background in ASPM, DevSecOps, and security automation, focused on reducing risk through practical, scalable controls and close collaboration with engineering teams.

## Work Experience

### Senior Application Security Engineer Driscoll's Inc

📅 12/2022 📍 REMOTE / MONTERREY

- Led the application security program across SDLC and CI/CD pipelines, integrating SAST, SCA, and DAST tooling with automated security gating
- Implemented Ox Security (ASPM) to centralize, prioritize, and drive risk-based remediation of critical and high-severity findings
- Conducted security assessments of AI/LLM-integrated applications against the OWASP LLM Top 10, covering prompt injection, insecure output handling, and model API trust boundaries
- Performed manual web and API security testing, supported penetration tests, and built Python automation via REST and GraphQL APIs to correlate security risk
- Implemented Doppler for centralized secrets management across cloud environments
- Triageed and managed infrastructure vulnerabilities using Rapid7 InsightVM / Nexpose

**Technologies:** AWS, GCP, Ox Security, Wiz, Doppler, Rapid7 InsightVM, Nexpose, Burpsuite, Snyk, Sonarqube, StackHawk, GitHub, GitHub Actions, GitLab CI, Jenkins, Terraform, Docker, Python, JavaScript, React, Jira

### External Application Security Tester Santander US

📅 05/2023 📍 REMOTE

- Conducted DAST and SAST testing for web applications and APIs
- Used Apiiro (ASPM) to triage, validate, and manage security findings
- Performed risk-based validation to reduce false positives
- Validated recurring findings to identify tooling gaps
- Collaborated with development teams on remediation workflows
- Supported penetration testing and remediation guidance

**Technologies:** Apiiro, Burpsuite, Fortify Static Code Analyzer, HCL AppScan, Jira, Confluence

### External Security Tester Dave

📅 11/2022 – 05/2023 📍 REMOTE

- Built automation for DevSecOps vulnerability workflows
- Assisted with execution and reporting of penetration tests
- Created YARA rules and SOAR automation
- Improved pentest documentation and reporting

**Technologies:** Burpsuite, Chronicle SIEM, Chronicle SOAR, Python, GitHub, GitHub Actions, DefectDojo, Jira, Confluence

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## Work Experience

### External Security Researcher Least Authority

📅 04/2022 – 08/2023 📍 REMOTE

- Performed manual code reviews of blockchain and Web3 applications
- Reviewed code in Solidity, TypeScript, Rust, Go, Clarity, and Python
- Conducted security design reviews of protocol architectures
- Researched emerging Web3 attack vectors

**Technologies:** Solidity, TypeScript, Rust, Go, Clarity, Python, GitHub, Visual Studio Code

### DevSecOps Analyst 3Pillar Global (Tripwire)

📅 08/2021 – 10/2022 📍 REMOTE / MONTERREY

- Monitored cloud alerts and incidents
- Automated processing of container vulnerability scan results
- Implemented third-party vulnerability management program
- Built internal API and portal for vulnerability data
- Conducted SAST and DAST testing

**Technologies:** AWS, Alert Logic, Artifactory, Terraform, Docker, Jenkins, Sonarqube, Burpsuite, Python, TypeScript, React, Jira

### Information Security Consultant Axosnet

📅 08/2020 – 08/2021 📍 MONTERREY, MEXICO

- Developed ISO 27001-aligned security policies
- Delivered security awareness training
- Monitored and responded to AWS security alerts
- Conducted cloud audits and web app pentests

**Technologies:** AWS, ISO 27001, Burpsuite, Alert Logic, Prowler, Pacu, Python

### Information Security Consultant Purple Security

📅 06/2019 – 08/2020 📍 MONTERREY, MEXICO

- Conducted network and web application penetration tests
- Executed red team exercises using MITRE ATT&CK
- Developed custom exploitation scripts

**Technologies:** Kali Linux, Metasploit, Nmap, Burpsuite, BloodHound, Responder, Python, Bash

### Incident Responder (Internship) FEMSA

📅 12/2017 – 05/2019 📍 MONTERREY, MEXICO

- Responded to security incidents using SIEM and firewall tools
- Built internal vulnerability tracking database
- Assisted with threat hunting and EDR evaluations

**Technologies:** Palo Alto Firewall, Exabeam SIEM, Linux, Symantec AV, SQL

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## Education

### IT Security Universidad Autónoma de Nuevo León

📅 2015 – 2019

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## Certifications

**CompTIA Security+ ce**

**CompTIA PenTest+ ce**

**AWS Solutions Architect Associate**

**Google Cloud Associate Cloud Engineer**

Skills

**TECHNICAL**

Application Security



DevSecOps



ASPM



Vulnerability Management



Risk-Based Remediation



Penetration Testing



API Security



Security Automation



Cloud Security



Secrets Management



CI/CD Security



Threat Modeling



**TOOLS**

Ox Security



Apiiro



Wiz



Rapid7 InsightVM



Burpsuite



Snyk



Sonarqube



StackHawk



Fortify



HCL AppScan



GitHub Advanced Security



DefectDojo



**CLOUD & INFRASTRUCTURE**

AWS



GCP



Terraform



Docker



Kubernetes



**PROGRAMMING**

Python



JavaScript



TypeScript



Go



Rust



Solidity



Bash



**SOFT SKILLS**

Technical Communication



Risk Assessment



Cross-Team Collaboration



Security Enablement



Program Ownership



Problem Solving

