# Axel Carmelo Alvarez

(956)-605-6247 | Spokane, WA | axel.ca.dev@gmail.com | LinkedIn | Github

## Education

**Texas Tech University, Edward Whitacre College of Engineering**                                              Lubbock, TX
*Bachelor of Science, in Computer Science*
- Minor in Mathematics
- President & Deans Honors List Recipient

## Technical Skills

**Cloud Security:** AWS Security Hub, AWS GuardDuty, CrowdStrike Falcon, AWS CloudWatch, AWS Cloudtrail
**Automation:** Python, GraphQL, Terraform, CI/CD Pipelines, Gitlab, Docker
**Vulnerability Scanners:** Trivy, Semgrep,  Burp Suite, OWASP Zap
**Identity access management:** AWS IAM, Okta, Google Workspace
**Governance Risk and Compliance:** NIST SP 800-53, NIST SP 800-30, DISA STIGs, STIGViewer
**Programming and Scripting:** Java, Bash, PowerShell, YAML, Git

## Professional Experience

**Army Software Factory,** Austin, TX (Remote)                                              Oct. 2023 - Present
*Security Engineer*
- Collaborated with internal teams to achieve over a 15% increase in compliance grade to cloud enclaves in accordance with security compliance publications such as NIST SP 800-53.
- Utilized CrowdStrike SIEM, AWS CloudTrail, and AWS CloudWatch to aggregate logs and improve monitoring capabilities via alerting and detection rules.
- Wrote Terraform code to create, modify, and delete cloud resources via automated CI/CD pipelines to improve efficiency and speed of repeatable processes.
- Participated in incident response drills and tabletop exercises to map out threats and test effectiveness of playbook documentation.
- Deployed application security testing scanners to CI/CD pipelines to automate vulnerability scanning and speed up DevSecOps processes like secure code integration and continuous deployment for product teams.
- Identified and advised on the triage of hundreds of vulnerabilities using a multitude of security tools like Semgrep, Burp Suite, and Trivy to improve the overall security posture of cloud resources and deployed web applications.

**iCode Specialty School,** Sugarland, TX (On-Site)                                              Jun. 2023 – Sep. 2023
*Programming Teacher*
- Taught over 5 classes and 45 students the basics of programming in python, vanilla web development using javascript, html, and css, as well as other technical topics surrounding computer science.
- Created lesson-plans and coding problems to students allowing them to practice and apply their newly learned skills to improve knowledge retention and competency.

## Certifications

COMPTIA Security+