Axel Carmelo Alvarez

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# 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
* CompTIA Security+

**Technical Skills**

**Professional Experience**

# Army Software Factory, Austin, TX (Remote) October 2023 - Present

*Security Engineer*

* Collaborated with developer teams to ensure the consistent integration of security best practices, guidelines, and standards through assisted vulnerability remediation, code, and stig reviews
* Automated manual and repeatable tasks in Gitlab using Python and Bash which increased the speed of security validation and directly supported team ability to achieve continuous integration and continuous deployment.
* Implemented a suite of security tools such as Trivy, to aid in finding vulnerabilities in code dependencies as well as containerized applications.
* Conducted Manual and Automated Application Security Testing through code review, STIG audits, and tooling such as Burp Suite and OWASP Zap.
* Assisted in creating dashboards and alerting in AWS cloud environments to improve visibility and monitoring of key development and production enclave systems.

# iCode Specialty School, Sugarland, TX June 2023 - October 2023

*Programming Teacher*

* Taught 5 classes on highly sought out topics and languages such as Java, Python, and JavaScript by coordinating lesson plans and hands-on activities on a daily basis.
* Enabled over 40 students to break into the world of technology by teaching them unique problem solving skills using robotics and hardware kits.

# Programming Languages

* Java
* GraphQL
* C / C++
* TypeScript
* YAML
* BASH
* PowerShell
* Python
* Experienced in SecOps & SRE: You have 3+ years of experience in Security Operations, Site Reliability Engineering, or DevSecOps, with a strong understanding of cloud security, system reliability, and automation.
* Hands-On with Security Tools & Cloud Platforms: Proficient with AWS security services, GitHub security controls, Terraform for secure infrastructure provisioning, and Ansible for automated security configurations.
* Incident Response & Threat Management: Experienced in handling security incidents, analyzing threats, and implementing remediation strategies to improve system defenses.
* Proactive in Security Monitoring & Hardening: Strong background in logging, monitoring, and anomaly detection using tools like SIEMs, intrusion detection systems (IDS), and cloud-native security solutions.
* Experience working with development teams to integrate security best practices into the SDLC (e.g., static and dynamic code analysis).
* Collaborative & Security-Minded: Passionate about working with engineering teams to embed security into CI/CD pipelines, enforce security policies, threat modeling, and risk assessments, and drive a security-first mindset across the organization.