Aditya Chakraborty Senior DevSecOps Engineer

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PROFILE SUMMARY

- **Senior DevSecOps Engineer** with **7 years of experience** securing the **build and release pipelines** behind **multi-tenant cloud security SaaS**, specializing in **software supply chain security** and **Kubernetes admission control**.
- Hands-on with **GitHub Actions** and **Argo CD**, **Semgrep** and **Snyk**, **Trivy**, **Kyverno**, **Sigstore Cosign**, **HashiCorp Vault** and **Terraform** on AWS, writing **Go** and **Rego** for custom checks.
- Deep practice in **signed builds and SBOMs**, **admission policies across many clusters**, **dynamic secrets** and **reachability-based triage**, with **SLSA Build Level 3** reached on every image build.
- Works with **Platform**, **SRE** and **product engineering leads** in design reviews, and owns the pipeline controls in the yearly **SOC 2 Type II** and **ISO 27001** audits.
- Tech lead for **3 DevSecOps engineers**, owner of the team's **Kyverno policy library**, and host of the monthly **security champions review** with product teams.

TECHNICAL SKILLS

CI/CD & GitOps:	GitHub Actions, Argo CD, Helm, reusable workflows
SAST, DAST & SCA Tools:	Semgrep, Snyk, CodeQL, OWASP ZAP, Veracode
IaC & Cloud Posture:	Terraform, Checkov, AWS (EKS, IAM, KMS), AWS Security Hub
Containers & Kubernetes:	Kubernetes, Amazon EKS, Trivy, Kyverno, Falco
Secrets & Identity:	HashiCorp Vault, External Secrets Operator, GitGuardian, AWS IAM
Supply Chain & Policy Engines:	Sigstore Cosign, Rekor, Syft, CycloneDX, SLSA, OPA/Rego, Conftest
Languages, Standards & Tracking:	Go, Python, Bash, Jira, NIST SSDF

EDUCATION

University of Massachusetts Amherst — **B.S. in Computer Science** — Amherst, MA · Sep 2015 to May 2019

The Linux Foundation — **Certified Kubernetes Security Specialist (CKS)** — Burlington, MA · Nov 2023

WORK EXPERIENCE

Aqua Security — **Senior DevSecOps Engineer** — Burlington, MA · Mar 2022 to Present

- Built keyless signing for the platform's product images with **Sigstore Cosign** and GitHub OIDC, with CycloneDX SBOMs and provenance attached, reaching SLSA Build Level 3 on all **28 image builds**.
- Maintain **64 Kyverno policies** across 16 Amazon EKS clusters that reject unsigned images, root containers and latest tags, blocking **99%** of non-compliant workloads at admission with no blocked hotfix.
- Moved 120 services to **HashiCorp Vault** dynamic database and AWS credentials through External Secrets Operator, retiring **380 long-lived access keys** in 9 months.
- Rebuilt finding triage so CVEs are ranked by EPSS and by whether the package actually loads at runtime, cutting median fix time for criticals from **19 days to 4**.
- Started the security champions program with **18 champions** in 9 product teams and a paved-road pipeline template, lifting template use from **41% to 87%** of active repos.

Veracode — **DevSecOps Engineer** — Burlington, MA · Aug 2019 to Feb 2022

- Moved static and dependency scanning for **90 internal repos** into GitHub Actions with **Veracode Pipeline Scan**, cutting median scan time per pull request from **11 minutes to 3**.
- Added **Checkov** and Conftest to the Terraform repos for the platform's AWS accounts, blocking about **230 misconfigurations a quarter** before merge.
- Owned the pipeline evidence for 2 **SOC 2 Type II** audits, exporting branch protection, review and scan results from GitHub by script, with **zero pipeline exceptions** in either report.