PHILIPS RHOGUNS

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Cloud Engineer / Cloud Security Engineer | AWS, Azure, Kubernetes, Terraform, CI/CD, DevSecOps

SUMMARY

Computer Science student who builds and secures cloud infrastructure end to end: a Kubernetes platform run by GitOps (Argo CD, Kyverno, Prometheus), a DevSecOps pipeline that signs every image and blocks vulnerable code, and Terraform for EKS, AKS and an Azure data platform. Previously two and a half years in a 24/7 security operations centre, most of it as shift team lead. CompTIA Security+ and AWS Certified DevOps Engineer – Professional.

SKILLS

AWS: IAM (least privilege, roles, access entries), VPC, EC2, EKS, S3, Lambda, EventBridge, KMS, CloudTrail, GuardDuty, Config, CloudWatch

Azure: Entra ID, AKS, ADLS Gen2, Data Factory, Databricks, Synapse, Key Vault, managed identities, Azure Policy, Defender for Cloud

Kubernetes and containers: Kubernetes, Docker, Helm, Kustomize, Argo CD (GitOps), Kyverno, NetworkPolicy, RBAC, Pod Security Standards

Infrastructure as code: Terraform (modules, terraform test), Bicep/ARM, Ansible

CI/CD and DevSecOps: GitHub Actions, Trivy, Semgrep (SAST), Gitleaks, Checkov, cosign/Sigstore image signing, SBOM (SPDX), SLSA provenance

Monitoring, security, recovery: Prometheus, Grafana, Alertmanager, CIS Benchmarks, vulnerability management (CISA KEV, EPSS), incident response, backup and disaster recovery drills (PostgreSQL point-in-time recovery, failover)

Networking, systems, scripting: VPC/VNet design, security groups, DNS, TCP/IP, BGP/OSPF, Linux (Ubuntu, RHEL), Windows Server, Python, Bash, PowerShell, SQL

CERTIFICATIONS

CompTIA Security+ | AWS Certified DevOps Engineer – Professional | Microsoft Certified: Power Platform Developer Associate (PL-400) | Google Cybersecurity Professional Certificate

PROJECTS

Kubernetes GitOps Platform *Kubernetes, Argo CD, Kyverno, Prometheus, Terraform*

- Kubernetes platform run entirely from Git: Terraform bootstraps Argo CD, which deploys Kyverno, Prometheus, Grafana and Alertmanager, namespaces with quotas and read-only RBAC, and the application in ordered sync waves.
- Admission policies accept only images signed by my CI pipeline (keyless Sigstore identity) and pinned by digest, and reject root and missing limits. CI rebuilds a 3-node cluster on every push and runs 32 end-to-end checks, including alert delivery and drift self-healing.
- Terraform modules for EKS (private nodes, IMDSv2, KMS-encrypted secrets) and AKS (Entra ID RBAC, workload identity, Cilium network policy) with 13 mocked-provider tests; zero failing Checkov checks.

DevSecOps Supply Chain Pipeline *GitHub Actions, Trivy, Semgrep, Gitleaks, cosign*

- Five security gates (secret scan, SAST, dependency, config and image scans) run before any build. Passing images are signed with cosign, get an SPDX SBOM attestation and SLSA provenance, and are promoted by digest to the GitOps repo.
- Proved each gate with a pull request it blocked (critical CVE, hard-coded key, eval() injection, root container), and fixed a Semgrep ruleset gap and a Gitleaks false positive found in the process. Runtime image: 35 MB, 0 known CVEs.

Azure Data Platform in Bicep and Terraform *Terraform, Bicep, Databricks, Synapse, Key Vault*

- Same platform in both tools: ADLS Gen2, Data Factory, Databricks with a Unity Catalog access connector, Synapse serverless and Key Vault, with managed identities everywhere and storage keys and SQL passwords disabled. Porting to Terraform exposed three security gaps in the Bicep, now fixed in both.

AWS Security Auto-Remediation *Terraform, Lambda, EventBridge, GuardDuty, Config*

- GuardDuty and Config findings route through EventBridge to a least-privilege Lambda that blocks public S3 buckets, revokes world-open security group rules and deactivates compromised keys, with a dry-run switch and nine tests against mocked AWS.

EXPERIENCE

Security Operations Centre Operator, then Team Lead | York University, Toronto, ON *Jul 2022 – Jan 2025*

- Monitored CCTV, access control and alarm systems for two campuses. As team lead: first point of escalation, decided when to bring in Toronto Police, Fire or EMS, signed off incident reports and shift logs, trained new operators.

EDUCATION

Bachelor of Science, Computer Science | York University, Toronto, ON *Expected December 2026*