

Sergii Danyliuk

Platform Engineer · AWS · Kubernetes · Terraform · Agentic AI Workflows

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SUMMARY

Platform Engineer with 6 years of experience specializing in Kubernetes platform engineering on AWS. Operates large-scale EKS platforms with Terraform-managed infrastructure and GitOps delivery via ArgoCD. Optimizes cloud infrastructure costs through demand-based autoscaling. Builds AI-powered internal tooling with Claude Code to accelerate incident response and troubleshooting.

EXPERIENCE

Platform Engineer - Chewy · Plantation, FL · Sep 2023 - Present

- Cut EKS compute cost ~30% (fleet from ~200 to ~140 nodes) and node scale-up time from ~5 min to ~45 sec by migrating provisioning from Cluster Autoscaler to Karpenter - just-in-time, right-sized nodes with workload consolidation, split across NodePools (spot for general workloads, on-demand for critical cluster ops).
- Moved app delivery to declarative, pull-based GitOps with ArgoCD - Git as the source of truth, automated drift detection, and fast rollbacks across 40+ apps and 7 EKS clusters.
- Automated TLS, DNS, and secrets with cert-manager, external-dns, and the AWS Secrets Manager CSI driver over IRSA - ACM-synced certs, Route53 records, and pod secret injection with no manual steps.
- Ran Multi-AZ PostgreSQL on RDS with zero static database credentials - pods mint short-lived tokens via IAM auth over IRSA - and proved recovery with EventBridge-driven snapshot lifecycle and PITR restore drills.
- Anchored the platform to a 99.5% availability SLO - error-budget and burn-rate alerting via Prometheus/Grafana/Alertmanager, logs dual-shipped through EFK to S3, and EKS control-plane audit logs in CloudWatch.
- Built 15+ Claude Code agent skills for the platform's infra and deployment work - CI review gates that block unsafe Terraform and Kubernetes changes (destroys, IAM widening, missing limits/probes) at PR time instead of in production.

DevOps Engineer - Samsara · San Francisco, CA · Oct 2020 - Aug 2023

- Migrated live infrastructure from CloudFormation to Terraform - 150+ resources across 5 AWS accounts - with zero downtime via a documented runbook and rollback plan.
- Wired GitHub Actions CI/CD across infra and apps with OIDC federation - plan-on-PR / apply-on-merge for Terraform, image build → ECR → Helm deploy for services.
- Replaced long-lived IAM users and static access keys with role-based access across 5 AWS accounts - 50+ roles scoped with permission boundaries, cross-account access via STS assume-role, and zero standing access keys in CI after moving pipelines to OIDC.
- Cut S3 storage cost ~\$20K/year with lifecycle rules that transition and expire objects by age across buckets.
- Optimized multi-stage Docker builds across Go, Node.js, and Python microservices on a distroless base - cutting image sizes ~60% (typical service ~1.2 GB → ~450 MB) and shrinking pull/deploy times and attack surface.

SKILLS

Cloud & Infra: AWS, Linux, Docker, Kubernetes, Karpenter

IaC & Delivery: Terraform, ArgoCD (GitOps), GitHub Actions, Helm

Security: IAM, IRSA, Kubernetes RBAC, OIDC

Networking: cert-manager, external-dns

Observability: Prometheus, Grafana, Alertmanager, CloudWatch, EFK (Fluent Bit / Elasticsearch / Kibana)

AI/Agentic: Claude Code (15+ custom agent skills), context engineering (CLAUDE.md / AGENTS.md), CI-gated review automation (Python)

Scripting: Bash, Python

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

HashiCorp Certified: Terraform Associate (004)

CKA: Certified Kubernetes Administrator

CKAD: Certified Kubernetes Application Developer