

Hanna Marusych

Platform Engineer · AWS · Kubernetes · Terraform

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PROFESSIONAL SUMMARY

Platform Engineer with nearly 6 years building and operating AWS and Kubernetes platforms for high-scale consumer and B2B products. At Egencia, runs the Kubernetes platform behind 50 services across 3 engineering teams — Terraform modules and OIDC-federated pipelines in place of hand-run, per-environment work. Builds the agentic tooling on top of it: Claude Code skills and MCP integrations that platform and product engineers use day to day.

PROFESSIONAL EXPERIENCE

Egencia — American Express Global Business Travel | Chicago, IL

DevOps Engineer, Platform Engineering | Nov 2023 — Present

- Own the delivery path for 8 of the platform's 50 services and the 6 developers behind them: one GitHub Actions → ECR → ArgoCD → EKS flow in place of manual per-environment deploys, now shipping daily production releases.
- Swapped hardcoded AWS credentials in CI/CD for Terraform-managed OIDC roles — no more long-lived keys sitting in pipelines.
- Built self-service routing for application teams: a Kubernetes route declaration automatically brings up the load balancer, Route 53 record, and TLS certificate (Gateway API, ExternalDNS, cert-manager).
- Unified fragmented per-team checks into one Prometheus, Grafana, and Alertmanager stack — alerting on certificate expiry and node pressure before they reach customers, and replacing cross-team Slack threads with one Grafana panel on-call works from.
- Automated first-pass PR review across 30 repositories with a Claude Code GitHub Action that reads each pull request against its Jira ticket and flags requirement gaps and exposed secrets.
- Migrated 4 ML model-serving workloads from AWS SageMaker to Amazon EKS as part of the platform team, cutting monthly compute cost for the highest-traffic inference workload 66%.

FanDuel | Remote

Cloud Engineer | Sep 2020 — Oct 2023

- Scaled Kubernetes workloads for NFL season peaks: historical traffic analysis, load tests on the critical paths, and node groups pre-scaled for 3–5x traffic spikes.
- Ran the AWS platform behind the betting product — 6 accounts, 12 Kubernetes clusters — and moved its provisioning onto reusable Terraform modules for node groups, IAM/IRSA, networking, and CloudFront, shared across development and staging.
- Provisioned additional Amazon Redshift clusters with Terraform on a producer/consumer data-sharing pattern, monitored for query queue time and concurrency.
- Built the provisioning path for live sports video channels behind the betting product, turning manual requests into self-service configuration — 4 live channels online in 3 weeks.

AI-ASSISTED ENGINEERING

Four Claude Code skills built and run in day-to-day platform work, each taking over a manual review pass:

- **PR requirements review** — reads each pull request against its Jira ticket and flags missing requirements and exposed secrets before merge; replaces the first manual pass.
- **Log diagnostics** — collects the relevant logs, groups repeating errors, ties them to a deployment or workload, and proposes what to check next.
- **Kubernetes triage** — reads pod events, deployment status, and resource errors to explain a failed rollout, in place of hand-assembled kubectl context.
- **Terraform plan review** — checks plans for unexpected IAM, networking, and security changes, flags drift, and surfaces violations before apply; replaces reading large plans by eye.

Scoped by repository-level CLAUDE.md conventions carrying the team's Terraform and delivery standards, MCP integrations for infrastructure context, and AWS Bedrock for analysis workloads.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS, EKS, ECR, EC2, ECS, S3, RDS, Lambda, VPC, IAM, CloudFront, Route 53, ACM, CloudTrail, Linux, networking, DNS, load balancing

Kubernetes & Platform: Kubernetes, EKS, Helm, ArgoCD, FluxCD, GitOps, AWS Load Balancer Controller, Gateway API, ExternalDNS, cert-manager, Karpenter, KEDA, Kyverno, Velero, Vault

Infrastructure as Code & Delivery: Terraform, CloudFormation, GitHub Actions, GitLab CI/CD, OIDC federation, infrastructure automation

Observability: Prometheus, Grafana, Alertmanager, OpenTelemetry, Elasticsearch/Kibana, EFK, CloudWatch, PagerDuty

Security & Access: IAM, IRSA, Kubernetes RBAC, Zero Trust, secrets management, AWS Secrets Manager

AI-Assisted Engineering: Claude Code, CLAUDE.md, custom skills, MCP integrations, AWS Bedrock, context engineering, AI-assisted code review

Programming: Python, Bash, SQL

EDUCATION

Bachelor's Degree in Management of Organizations — National Aviation University, Kyiv, Ukraine

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- Certified Kubernetes Application Developer (CKAD)
- HashiCorp Certified: Terraform Associate