

Zhanybek Mamataliev

Senior DevOps/SRE & MLOps Engineer

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Professional Summary

Senior DevOps/SRE Engineer with 14+ years building cloud platforms, CI/CD systems, and Kubernetes operating models across AWS, Azure, and GCP. Recent work: zero-downtime Nexus Repository/IQ migration for ~5,000 applications, AWS CodePipeline and CodeBuild templates that cut deployment lead time by 40%, multi-cloud migrations for 20+ applications, and compliant platform automation with Terraform, CloudFormation, ArgoCD, SonarQube, Splunk, and Kubernetes.

Selected Open-Source Contribution

NousResearch/hermes-agent #81029 -- Gateway session-serialization reliability fix

Authored the fail-closed design, configuration surface, dispatch wiring, and tests that prevent timed-out gateway turns from bypassing session leases and writing concurrently to transcripts. Maintainers accepted all three commits upstream with preserved authorship through a salvage of PR #80376.

Merged upstream | Aug 2026 | <https://github.com/NousResearch/hermes-agent/pull/81029>

Experience

Senior Staff DevOps Engineer -- Cognizant (Sep 2019 – Present)

- Led zero-downtime migration of Nexus Repository and Nexus IQ to AWS for ~5,000 applications with checksum-validated artifact integrity
- Built AWS CodePipeline and CodeBuild templates with SonarQube and Nexus IQ gates for 50+ microservices, reducing deployment lead time by 40%
- Converted manual UDeploy release steps into compliant multi-environment promotion workflows with artifact tracking and rollback points
- Migrated 20+ applications from on-premise to hybrid AWS, Azure, and GCP
- Provisioned GraphQL and API platform infrastructure with Terraform and CloudFormation for critical API services
- Designed VPC baselines with public/private subnets, NAT gateways, bastion hosts, route tables, and security groups
- Managed AWS services across EC2, S3, Redshift, Lambda, RDS, EBS, ELB, Auto Scaling, SNS, and CloudFormation
- Standardized Kubernetes delivery across EKS, GKE, AKS, and local datacenters with Helm, ArgoCD, RBAC, network policies, and storage integrations
- Standardized Splunk Universal Forwarder deployment and maintenance across Linux and Windows fleets
- Supported MLOps workloads with MLflow, Docker, ECR, and model registry workflows

Senior DevOps Engineer -- EPAM Systems (Nov 2018 – Sep 2019)

- Configured Kubernetes clusters and custom Helm charts to standardize application deployment
- Managed Ansible and Terraform infrastructure as code for consistent environment provisioning
- Built continuous delivery pipelines and alerting for incident response
- Isolated applications with namespaces and used performance analysis to tune service architecture

Systems Engineer -- NDA Asset Management (Jul 2015 – Nov 2018)

- Built Terraform modules for AWS infrastructure, reducing setup time by 60%
- Managed Ansible playbooks across 100+ servers for configuration enforcement and patch management
- Automated build/deployment with Jenkins, eliminating 70% manual configuration
- Built Jenkins and Ansible testing/deployment pipelines for same-day releases
- Configured AWS monitoring with Nagios and Datadog

Systems Engineer -- InterPol (Apr 2012 – May 2015)

- Monitored and optimized application performance for criminal intelligence queries
- Applied security patches aligned with INTERPOL Global IT Security Standards
- Managed RBAC and identity management
- Collaborated on vulnerability scanning and remediation
- Integrated regional web tools into I-24/7 global communication system

Core Skills

Cloud Platforms: AWS, Azure, GCP, EC2, S3, VPC, EBS, IAM, RDS, CloudWatch, CodePipeline

Containerization: Docker, Kubernetes, OpenShift, EKS, AKS, GKE, Helm

Infrastructure as Code: Terraform, AWS CloudFormation, Azure Resource Manager, Ansible, Puppet, Chef

CI/CD & Automation: Jenkins, Azure DevOps, GitLab CI, ArgoCD, Flux, Harness, GitHub Actions, AWS CodePipeline, AWS CodeBuild, Nexus Repo, Nexus IQ, UDeploy

Monitoring & Security: Prometheus, Grafana, Datadog, ELK Stack, Nagios, Dynatrace, Trivy, Snyk, SonarQube, Splunk, OPA Gatekeeper

MLOps: MLflow, Docker, ECR, Model Registry, Pipeline Orchestration

Languages & Scripting: Python, Bash, YAML, HCL, JSON, SQL