

Galust Arakelyan

DevOps Engineer · Kubernetes · Cloud & On-Prem Infrastructure

Remote, UTC+4 · galust.arakelyan25@gmail.com · Telegram [@thelastbroken](https://t.me/thelastbroken) · github.com/hipnotize · galust-dev.ru

SUMMARY

DevOps engineer with nearly 7 years in Linux infrastructure and DevOps, currently running production Kubernetes for a fintech lending group across Yandex Cloud, VMware Cloud Director and bare metal. When the cloud provider lost two of three availability zones, I backed up production and restored Vault, Redis, RabbitMQ and 125 services on new on-prem Kubernetes within one day. Hands-on with Kubernetes, Terraform, Vault, GitLab CI, Argo CD and stateful services: PostgreSQL, RabbitMQ, Redis, Kafka/Redpanda. Mentor at an online DevOps school with about 100 students.

EXPERIENCE

DevOps Engineer

May 2026 – Present

IT Smart Finance — fintech lending group (JoyMoney, Boost, Nibble)

- Backed up production after the cloud provider lost two of three availability zones and worker nodes had no internet access: ran Velero outside the cluster to capture the full 349-workload cluster (10,466 objects, 0 errors), saved all 123 production images (19.7 GB after layer dedup) and Vault, Redis, RabbitMQ and Redpanda data, all checksum-verified.
- Restored production on new on-prem Kubernetes (Talos, Ceph) within one day: Vault from a Raft snapshot, Redis (425K keys), RabbitMQ (781 queues, 5.9M messages), mTLS proxies to credit bureaus and banks, and 125 services staged safely at zero replicas.
- Prepared the production move to VMware Cloud Director: sized the platform from real peak usage (10 VMs, 100 vCPU, 328 GB RAM), built a 3-node Vault Raft cluster, RabbitMQ, Redpanda with SCRAM, ACLs and mTLS, and Redis, and staged 273 deployments and 347 ingresses through a Velero pipeline.
- Migrated Vault from file storage to Raft: moved 47.6K keys with 13.7 minutes of downtime and zero drift, added scheduled snapshots to S3 and verified the chain end to end, restore included.
- Built a new production environment for a credit-bureau reporting product in 1.5 days: migrated 3 PostgreSQL databases (54 GB, 351M rows, zero mismatches), set up Kubernetes 1.36 on Talos, Vault, RabbitMQ and GOST mTLS to credit bureaus.
- Moved 16 stateful components (Redis, Redis Cluster, RabbitMQ) in 4 environments to new image sources after the Bitnami catalog change, 7 of them in production night windows, with disk snapshots before every step and no data loss.
- Rolled out logging on Loki and Grafana Alloy with MinIO storage and 30-day retention, then cut its resource budget 4x after load measurements.
- Root-caused about 50 production and staging incidents from evidence: apiserver audit logs, Loki, OpenSearch offsets, Helm history. Examples: a Redis Sentinel OOM caused by chart drift (192 MiB in Git vs 4 GiB live), Terraform state 503s from NO_PROXY in the runner config, and 12,903 log records hidden by lost trace fields, recovered with OpenSearch ingest pipelines.
- Maintained shared GitLab CI templates and Terraform pipelines: fixed the shared DB-migration job, restored Terraform CI in 6+ projects and added release and manual deploy jobs for 3 isolated QA environments (Istio Ambient, Vault policies via Terraform).
- Automated bulk changes with dry-run, check-and-set writes and rollback logs: updated 246 Vault secrets with 0 errors and fixed post-migration 403s on 132 of 136 ingresses.

Stack: Kubernetes (Managed, Talos), Yandex Cloud, VMware Cloud Director, Terraform, GitLab CI, Helm, werf, Vault, Velero, PostgreSQL, RabbitMQ, Redpanda, Redis, Loki, Grafana, MinIO, Python

Lead DevOps / MLOps Engineer

Mar 2026 – Apr 2026

Sber — banking and technology group

- Built and maintained Jenkins pipelines that build, test and deploy services and ML models to Kubernetes.
- Delivered workloads through Argo CD and Helm (GitOps), keeping environments consistent from test to production.
- Set up Prometheus metrics and alerting for platform and model-serving services; worked with data scientists on packaging and shipping models.

Stack: Kubernetes, Jenkins, Argo CD, Helm, Prometheus, Grafana, Docker

DevOps Engineer

Jul 2025 – Mar 2026

MegaFon — mobile network operator

- Administered a fleet of about 500 Linux servers, including DNS recursors, for the operator's internal infrastructure.
- Operated authoritative DNS on BIND (1 primary, 3 secondaries) with BGP routing (BIRD) and NTP.
- Deployed and supported the in-house DNS self-service app: admins and engineers manage records and zones through it instead of editing servers by hand.

- Automated server configuration with Ansible; maintained Zabbix and Grafana monitoring for DNS and platform services.

Stack: Linux, BIND, BIRD, NTP, Ansible, Zabbix, Grafana, Bash

DevOps Engineer

Jul 2024 – Jul 2025

Sheremetyevo International Airport

- Supported flight schedule and resource planning systems running on the airport's on-prem Kubernetes.
- Upgraded the cluster from Kubernetes 1.23 to 1.29 one minor version at a time, following the version skew policy: etcd snapshot before each step, control plane first, then workers drained and upgraded node by node.
- Before each step, migrated manifests and Helm charts off the APIs removed between 1.25 and 1.29, so workloads kept deploying after every upgrade.

Stack: Kubernetes, Helm, Docker, Linux

Linux Administrator → DevOps Engineer

Jan 2020 – Jun 2024

Vnukovo International Airport

- Administered Linux servers for internal airport systems.
- Containerized in-house schedule-related applications with Docker, then moved them to an on-prem Kubernetes cluster.

DevOps Mentor & Senior Curator

2026 – Present · part-time

ProstoDevops — online DevOps school

- Oversee about 100 students in two cohorts as senior curator; my own group of 10 closed 59 of 60 technical defenses, the best result among groups, and 3 students were hired during the course.
- Created 20 lesson decks (487 slides) and hands-on labs: Linux, networking, Docker, Kubernetes (kubeadm cluster from scratch, RBAC, etcd backup, upgrades), Terraform, Ansible, Argo CD.
- Wrote the curator handbook; run weekly curator syncs, 1:1 reviews and mock interviews.

PROJECTS

Xelvix VPN — xelvix.ru

2026 – Present · own project

- Built and run a commercial multi-node VPN service: a master and 3 nodes on VLESS + Reality (3x-ui), about 50 paying users and 25 online daily.
- Wrote Python services for payments, subscription links in 5 client formats with split routing, and node monitoring with Telegram alerts; Nginx, certbot and systemd on every node.

SKILLS

Containers & orchestration: Kubernetes, Managed Kubernetes, Talos Linux, Kubespray, kubeadm, Helm, werf, Argo CD, Docker, containerd, Istio, ingress-nginx, Traefik, MetalLB, Cilium, Calico, cert-manager, HPA, StatefulSets

Cloud & virtualization: Yandex Cloud (AWS-like stack: Managed Kubernetes, Compute, VPC, IAM, Object Storage, managed PostgreSQL/MySQL/OpenSearch), S3 API (AWS CLI, boto3), VMware vSphere/ESXi, VMware Cloud Director, MinIO, Ceph, Container Registry, Harbor

laC & CI/CD: Terraform, Ansible, GitLab CI (shared templates, Runners), Jenkins (Groovy pipelines), Argo CD, GitOps, Helm charts

Observability: Prometheus, Alertmanager, Grafana, Loki, Grafana Alloy, Fluent Bit, OpenSearch / ELK (Filebeat, Logstash, ingest pipelines), Zabbix

Security & secrets: HashiCorp Vault (Raft, Kubernetes auth, Agent Injector), Keycloak, Pinniped, OIDC/Dex, mTLS, TLS/PKI, RBAC

Data & messaging: PostgreSQL, Redis (Sentinel, Cluster), RabbitMQ, Kafka/Redpanda, MySQL, MongoDB

Backup & DR: Velero, Kopia, Raft snapshots, pg_dump/pg_restore

Practices: Disaster recovery, high availability, incident response and RCA, capacity planning, cloud migration, Infrastructure as Code, runbooks

Linux & networking: Linux, systemd, Bash, Python, DNS (BIND), BGP (BIRD), Nginx, HAProxy, TCP/IP, OpenVPN

EDUCATION

Moscow State Technical University of Civil Aviation — Air Navigation, 2020

LANGUAGES

English — C1 · Russian — native · Armenian — fluent