

Konstantin Makeikin

DevOps Engineer

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SUMMARY

DevOps / Platform Engineer with 20 years in infrastructure — from ISP backbone networks (180 Gbps, 14,000 subscribers) to cloud-native platforms on Kubernetes. Currently sole engineer on a high-traffic platform (259 servers, 30+ countries, 5,000+ users): IaC (Ansible/Terraform), GitOps CI/CD (GitLab, blue-green deploys), SRE practices (Prometheus/Grafana/OpenTelemetry, SLO-driven alerting, DORA metrics, MTTR < 5 min), DevSecOps, and incident management.

SKILLS

Cloud Platforms AWS, Yandex Cloud, Cloud.ru (SberCloud), VK Cloud, DigitalOcean, Hetzner	Infrastructure & OS Linux, Nginx, nftables, DNS, TLS/SSL	Virtualization KVM, Proxmox, VMware
Containers & Orchestration Docker, Docker Compose, Multi-stage builds, Kubernetes, Helm, Kustomize, Istio/Envoy	IaC & Automation Ansible, Terraform, Bash, Python	CI/CD & GitOps GitLab CI/CD, GitHub Actions, ArgoCD, Git
Monitoring & Observability Prometheus, Grafana, Loki, Elasticsearch / ELK, Fluentd, Fluent Bit, Promtail, Node Exporter, OpenTelemetry, Alertmanager, PagerDuty, Zabbix	Security HashiCorp Vault, Trivy, SAST/DAST	Languages & Frameworks Python, Go, Java/Kotlin, FastAPI, Spring Boot, SQL
Databases & Messaging PostgreSQL, Redis, Kafka, NATS, TimescaleDB	Networking TCP/IP, BGP, VLAN/VRF/Trunking, VPN, Firewall, MikroTik, Cisco/Juniper, 10GbE/DWDM	

EXPERIENCE

DevOps Engineer ShivaVPN · Florianópolis, Brazil · Remote	Feb 2022 — Present
- Sole engineer owning the full infrastructure lifecycle for a multi-cloud platform: 259 servers, 30+ countries, 5,000+ active users, 99.9% uptime - IaC with Ansible — automated provisioning, configuration management, and rolling updates across the entire fleet, reducing manual ops from hours to minutes per deploy - CI/CD pipelines (GitLab CI) with blue-green deployments, automated tests, SAST scanning, and zero-downtime releases — deploy frequency 5-10x/week - Full observability stack: Prometheus + Grafana (26 alert rules, 13 dashboards), Loki centralized logging, Alertmanager → Telegram + PagerDuty, MTTR < 5 min - Migrated L4 proxy from nginx to kernel-space nftables + flowtable — cut RAM 75% (1.6 GB → 400 MB per node), eliminated userspace bottleneck under peak load - Security hardening: Trivy container scanning in CI, CIS Benchmarks, automated credential rotation, compromised node detection and replacement - Automated TLS rotation across entire fleet (Let's Encrypt + Ansible), geo-distributed failover with healthcheck-based DNS routing — zero certificate-related outages - Capacity planning: per-region utilization dashboards, automated server pool scaling, canary deployments for critical config changes — handled 3x traffic growth without incidents	

DevOps Engineer — Contract

Mar 2024 — Jan 2026

NaviScope — Maritime IoT Platform · Florianópolis, Brazil · Remote

- Owned infrastructure and CI/CD for a 31-microservice platform (28 repos): real-time vessel monitoring and fleet management across international waters
- CI/CD for all 31 services: GitLab pipelines with automated testing, container builds, staged rollouts — reduced release cycle from days to hours
- Docker Compose for local dev, Docker Swarm for staging/production — service orchestration, rolling updates, zero-downtime deployments
- Prometheus + Grafana monitoring: service health, latency percentiles (p95/p99), resource utilization, on-call alerting — reduced incident response time by 60%
- Managed PostgreSQL + TimescaleDB cluster: 100K+ telemetry events/day ingestion, automated retention policies, query optimization — sub-second dashboard loads
- Event-driven architecture: NATS JetStream + Redis Pub/Sub for reliable inter-service messaging with at-least-once delivery guarantees
- Backend when needed: 15+ microservices (Java/Kotlin, Spring Boot), edge agent in Go for satellite-linked vessel data collection via MQTT/Modbus/NMEA-0183

DevOps Engineer — Contract

Sep 2023 — Aug 2024

Fintech / Crypto Platform — NDA · Remote

- Managed multi-AZ EKS clusters in a 5-person platform team: namespace isolation, RBAC, network policies, pod security standards for regulated fintech workloads
- HashiCorp Vault secrets management: dynamic DB credentials, transit encryption, PKI for internal mTLS — eliminated hardcoded secrets across all services
- Terraform IaC: multi-environment provisioning (dev/staging/prod), remote state with locking — infrastructure changes peer-reviewed via merge requests
- GitLab CI/CD with SAST/DAST scanning, container image signing, automated compliance checks — zero security incidents during tenure
- Blue-green deployment strategy for payment-critical services — zero-downtime releases with instant rollback capability
- Observability for EKS: Prometheus + Grafana pod metrics, HPA scaling events, FinOps cost dashboards (identified 20% cloud spend savings), PagerDuty integration

Infrastructure Consultant — Freelance

Oct 2019 — Nov 2025

Independent Practice

- Independent consulting practice serving 15+ SMB/mid-market clients: architecture design, capacity planning, cloud and on-prem migration strategies
- Provisioned and managed 40+ Linux servers (Docker, Ansible) across dedicated and cloud environments — standardized deployments, cut provisioning time from days to hours
- Zabbix monitoring across all client environments — 200+ hosts, 99.5%+ uptime SLA, automated incident escalation via Telegram and email
- Backup strategies with daily verification, DR runbooks, security hardening (CIS benchmarks, SSH hardening, fail2ban) — zero data loss incidents across all clients

Network Operations Lead

2008 — 2021

ISP Operations (Multiple Companies)

- Progressed from Network Admin to Operations Lead managing a regional ISP: 14,000+ subscribers, team of 35, multi-city coverage
- Built long-haul fiber backbone (DWDM, redundant optical links, multi-operator interconnects) — peak 180 Gbps, 99.95% backbone availability
- Designed and launched local IX (Internet Exchange) for regional operator peering — reduced transit costs by 30% through direct peering agreements
- Managed 500+ switches, GPON/xPON terminals, DOCSIS infrastructure — automated monitoring with Zabbix, handling 500+ tickets/week
- Built bare-metal DC from scratch: rack-mount servers, PDU/UPS, cooling — 50+ servers provisioned and maintained with Ansible automation
- Full ISP service stack: BGP/IX peering, VRF, DHCP/DNS HA, CGNAT, NetFlow, IPAM — all documented with runbooks and DR procedures
- Led disaster recovery after catastrophic DB failure — restored service for 14,000+ customers with zero data loss within SLA

Senior System & Network Administrator

Feb 2006 — Aug 2008

Pushkino-Telecom — ISP · Moscow Region, Russia

- Promoted twice in 2 years (Support → Admin → Senior Admin), managed DOCSIS 2/3 cable infrastructure for 5,000+ subscribers

EDUCATION

State University of Management (SUM) — Bachelor's, Organization Management	2021 — 2025
International University of Kyrgyzstan — Bachelor's, Computer Science	2019 — 2023
Gymnasium Shchyolkovo — Silver Medal, Secondary Education	2008 — 2019

CERTIFICATIONS

CCNP — Cisco	2010
MTCNA — MikroTik	2012
AWS Cloud Practitioner — AWS	2023

LANGUAGES

English — Professional Working Proficiency
Portuguese — Limited Working Proficiency
Russian — Native