

Konstantin Makeikin

DevOps Engineer | Platform & Infrastructure Architect

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SUMMARY

DevOps engineer with 20 years in infrastructure, networking, and platform engineering. Currently managing a multi-cloud VPN platform (259 servers, 30+ countries, 5,000+ subscribers) with full ownership of CI/CD, monitoring, automation, and backend services. Strong background in ISP operations, Kubernetes, and infrastructure-as-code.

SKILLS

Cloud & Infrastructure

AWS, Linux, Nginx, nftables, DNS, TLS/SSL

CI/CD

GitLab CI/CD, Blue-Green Deploy, Git

Databases

MySQL, PostgreSQL, Redis

Containers & Orchestration

Docker, Docker Compose, Kubernetes

Monitoring & Observability

Prometheus, Grafana, Alerting

Networking

TCP/IP, BGP, VPN, CCNP, MikroTik

IaC & Automation

Ansible, Terraform, Bash

Languages & Frameworks

Python, FastAPI, Java, Spring Boot, SQL

AI-Augmented Engineering

Claude Code / Cursor, MCP Integrations, AI-Driven Workflows

EXPERIENCE

DevOps Engineer & Platform Architect

Feb 2022 — Present

ShivaVPN · Florianópolis, Brazil · Remote

- Own the full infrastructure lifecycle for a multi-cloud VPN platform: 259 servers, 30+ countries, 5,000+ active subscribers
- Designed and implemented IaC with Ansible — automated provisioning, configuration management, and rolling updates across the entire fleet
- Built CI/CD pipelines (GitLab CI) with blue-green deployments, automated tests, and zero-downtime releases for Java/Spring Boot backend
- Full observability stack: Prometheus + Grafana (26 alert rules, 13 dashboards), centralized logging, multi-channel incident alerting with <5 min MTTR
- Migrated L4 proxy layer from nginx to kernel-space nftables + flowtable — eliminated userspace overhead, cut RAM usage by 75% (1.6 GB → 400 MB per node)
- Developed Python async service (FastAPI + AsyncSSH) for parallel orchestration of 86 servers with 50 concurrent connections — config sync, health checks, traffic analytics
- Architected account pool pre-provisioning system reducing user activation latency from 30s to near-zero
- Integrated 3 payment providers with webhook reconciliation, idempotent processing, and automated retry logic

DevOps & Backend Engineer

Mar 2024 — Jan 2026

NaviScope — Maritime IoT Platform · Florianópolis, Brazil · Remote

- Designed and maintained a 31-microservice platform (28 repos) for real-time vessel monitoring and fleet management across international waters
- Owned CI/CD for all 31 services: GitLab pipelines with automated testing, container builds, and staged rollouts
- Developed 15+ backend microservices (Java/Kotlin, Spring Boot): authentication, admin, data ingestion, alerting, and monitoring
- Built edge agent in Go for onboard data collection from vessels via MQTT, Modbus, and NMEA-0183 protocols over satellite links
- Designed event-driven data pipeline: NATS JetStream for reliable inter-service messaging, Redis Pub/Sub for real-time notifications — processing 100K+ telemetry events/day
- Managed PostgreSQL + TimescaleDB cluster for high-throughput time-series telemetry ingestion and retention policies
- Prometheus + Grafana monitoring for 31 microservices: service health, latency percentiles, resource utilization, and on-call alerting

DevOps Engineer

Sep 2023 — Aug 2024

Fintech / Crypto Platform — NDA · Remote

- Kubernetes cluster management (EKS): namespace isolation, RBAC, network policies, pod security standards for regulated fintech workloads
- Secrets management with HashiCorp Vault: dynamic secrets for databases, transit encryption for sensitive data, PKI for internal mTLS
- Infrastructure as Code with Terraform: multi-environment provisioning (dev/staging/prod), state management with remote backends and locking
- GitLab CI/CD pipelines with SAST/DAST scanning, container image signing, and automated compliance checks before production deploys
- Designed blue-green deployment strategy for zero-downtime releases of payment-critical services processing crypto transactions
- Prometheus + Grafana observability for EKS workloads: pod metrics, HPA scaling events, cost dashboards, PagerDuty integration

Infrastructure Consultant

Oct 2019 — Nov 2025

HHIVP.com — B2B IT Services

- Provided infrastructure consulting for 15+ B2B clients: architecture design, capacity planning, migration strategies
- Managed dedicated environments per client — full service stacks: VoIP, email, VPN, Telegram bots with AI integration, push notifications
- Zabbix monitoring across all client environments with 99.5%+ uptime SLA and automated incident escalation
- Implemented backup strategies, disaster recovery procedures, and security hardening across all client environments

Network Operations Lead

2008 — 2021

ISP Operations (Multiple Companies)

- Progressed from Network Admin to Operations Lead managing a regional ISP serving 14,000+ subscribers across multiple cities
- Built and operated long-haul fiber backbone (M9 Moscow — Sergiev Posad — Alexandrov) with DWDM, redundant optical links, and multi-operator interconnects — peak 180 Gbps
- Designed and launched a local IX (Internet Exchange) point for peering between regional operators — private peering, route servers, gray-address overlay network for a large-scale LAN across the IX
- Managed 500+ network switches (24-port) covering 2 districts, GPON/xPON terminals, DOCSIS infrastructure for last-mile delivery
- Built data center facilities from scratch: rack architecture, power distribution, cooling, server provisioning, and network segmentation
- Full ISP service stack: BGP/IX peering, VRF, billing system, DHCP, DNS, NAT, NetFlow collectors, IPAM, VoIP telephony
- Led disaster recovery after catastrophic database failure — restored service for 14,000+ customers within SLA
- Managed cross-functional teams of 35: network engineers, field technicians, NOC operators, and customer support

Co-Founder

Jun 2014 — Oct 2016

Claustrophobia — "Philosopher's Stone" Quest Room · Moscow, Russia

- "Quest of the Year 2016" — launched from zero to 150+ bookings/month, built a team of 8, managed 7M+ RUB budget

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 and network topology redesign

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

CCNA — Cisco

2023

MTCNA — MikroTik

2023