Maralbayev Adil

Middle DevOps / DevSecOps Engineer
linkedin.com/in/adil-maralbayev — exi-t.github.io

Email: madil6583@gmail.com
Mobile: +7 702 700 2809
Astana, Kazakhstan

Summary

Middle DevOps / DevSecOps Engineer, 2+ years running on-premise production: 200+ VMs on 15+ hypervisors and 15+ HA Kubernetes clusters for 30+ B2B and B2G systems at 99.9%+ uptime, including state services. GitLab CI/CD with security gates, Ansible and Terraform IaC, Linux and PostgreSQL hardening, K3 government certification. Hands-on AWS (EC2, VPC, S3, IAM). Go background.

Technical Skills

- **Containers & CI/CD**: Kubernetes (kubeadm, HA), Helm, Docker, Docker Swarm, GitLab CI/CD, SonarQube, SAST, Trivy, gitleaks
- **IaC & Cloud**: Ansible, Terraform, Bash, Go, Python, n8n; AWS EC2, VPC, S3, IAM; basic Karpenter + HPA
- **Infrastructure & Security**: Proxmox VE, XCP-ng, VMware Cloud Director, Linux, DMZ, HAProxy, Nginx, VPN, SSH / PAM hardening, auditd, TLS / PKI
- **Data, Observability & DR**: PostgreSQL (Patroni, replication, tuning), Prometheus, Grafana, ELK, Veeam, Vinchin, Proxmox Backup Server

Professional Experience

- **Hardcode** — Astana, Kazakhstan
  Middle DevOps / DevSecOps Engineer — *July 2024 – November 2026*
  - Built on-premise production from bare metal up: **200+ VMs on 15+ hypervisors**, **30+ customer systems** at **99.9%+ uptime**, including state services used Kazakhstan-wide.
  - Deployed and ran **15+ HA Kubernetes clusters** (15–25 nodes each): multi-master, external etcd, keepalived VIP, ingress, storage; scaled and replaced nodes with **zero downtime**.
  - Cut GitLab CI/CD build time by **˜50%**; added mandatory secret, image and **SonarQube** code-quality scanning, reducing pre-production bug detection time.
  - Certified **two government systems** as **K3 information systems** (GTS attestation): gap analysis, Linux hardening, DMZ design, documents, auditor work, all findings fixed.
  - Ran production PostgreSQL (HA, security, tuning); backup and DR with WAL archiving and PITR, **100% successful restore drills**.
  - Prometheus, Grafana, ELK and n8n alerting on all projects, cutting incident response time by **40–50%**.
  - Ansible and Terraform IaC cut manual work by **˜70%**; Go, Bash and Python automation; Claude Code in daily engineering.
- **Freelance** — Astana, Kazakhstan
  Backend Developer (Go) — *2022 – July 2023*

Projects

- **Jobs Mini App for Telegram (@vacs_jobs_bot)**: Built and run alone: job board inside Telegram. Go, Svelte, PostgreSQL, Docker on AWS EC2, backups to S3 via IAM role.
- **AWS Kubernetes Lab**: kubeadm cluster on EC2, fully in Terraform: own VPC, private subnets, NAT, Calico. CKA practice.

Education, Certificates & Languages

- **Astana IT University (AITU)** — Sep. 2021 – June 2024
  Bachelor's in Cybersecurity; GPA: 3.5 / 4.0
- **Cisco Networking Academy**: Network Security, IT Essentials, Cybersecurity Essentials, Introduction to Cybersecurity (2022–2023)
- **Languages**: English B2, Russian C2, Kazakh B2