

Aleksey Bezv — Senior DevOps Engineer

Poland (Warsaw) · Hybrid-ready · Remote-capable Email: aleksey.bezv@gmail.com Phone: +48798688550 LinkedIn: <https://www.linkedin.com/in/aleksey-bezv/> GitHub: <https://github.com/abezv> (platform-iac · platform-iac-gitops · democid)

Profile

Senior DevOps Engineer with 4+ years of production Kubernetes and 29 years in IT. I build and migrate large-scale platforms in regulated environments. Kubestronaut (5× CNCF), AWS Solutions Architect – Associate (2026).

At Ukrenergo I designed the complete infrastructure for Datahub — Ukraine’s electricity market settlement system, 21M metering points (40+ Go/Python microservices). Built from scratch: Kubernetes (~50 nodes, 4 environments), GitLab + Jenkins CI/CD, Harbor registry, Prometheus/Grafana/Loki, PostgreSQL/Patroni HA — operated under national-regulator requirements. Currently building a GitOps platform with ArgoCD, Vault, Kyverno, and a cosign-signed supply chain — actively using AI coding agents (Claude Code, Codex) in my daily workflow.

Core Technical Skills

Kubernetes & Cloud-Native: Kubernetes (4 yr production — cluster ops, RBAC, network policies, Ingress, right-sizing) · Docker · Helm · ArgoCD · Istio · Kyverno

CI/CD, IaC & Automation: GitLab CI · Jenkins (Pipeline as Code) · Harbor · Terraform/OpenTofu · Ansible · SOPS · Bash · Git · Python (scripting) · Go (growing)

Cloud & Security: AWS — SAA-C03 (EC2, Lambda, RDS, S3, IAM, VPC, CloudFormation, ALB/NLB, Route 53) · CKS + KCSA · Vault · External Secrets · Falco · Trivy · kube-bench

Observability & Reliability: Prometheus · Grafana · Loki · OpenSearch · PostgreSQL autovacuum tuning · Incident Response · High Availability

Data & Messaging: PostgreSQL/Patroni HA · ClickHouse (time-series, 21M metering points) · Redis · RabbitMQ · Oracle Database

Ways of Working: Platform Engineering · GitOps · DevSecOps · AI-assisted development (Claude Code, Codex) · Agile — PMP, PMI-ACP, CSM, KMP

Certifications

Kubernetes — Kubestronaut (CNCF, 2025–2026): CKA, CKS, CKAD, KCNA, KCSA — all 5 CNCF certifications (Linux Foundation)

Cloud: AWS Certified Solutions Architect – Associate (SAA-C03, 2026)

Project Management: PMP, PMI-ACP (PMI), CSM (Scrum Alliance), KMP (Kanban University) — 2017–2021

Work Experience

Professional Development / Platform Engineering Lab

Self-employed | Poland | 04/2025 – Present

- Built a production-like GitOps platform on Proxmox/Kubernetes: OpenTofu + Ansible provisioning, **ArgoCD** app-of-apps, External Secrets Operator with HashiCorp Vault, Kyverno policy guardrails, cosign-signed **GitLab CI** supply chain (deploy by digest).
 - Deployed observability stack (**Prometheus + Grafana**), security tooling (Falco, **Trivy**, kube-bench), and comprehensive runbooks.
 - Built an AI-assisted job-search CLI tool (Python, async httpx, SQLite, OpenAI SDK) using **Claude Code** as primary coding agent.
 - Passed 6 cloud-native & cloud certifications this period: Kubestronaut (5× CNCF) and AWS Solutions Architect – Associate.
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Head of Department of Development and Support of Datahub / DevOps Lead

Ukrenergo Digital Solutions | Kyiv, Ukraine (remote from Poland since 2023) | 02/2021 – 04/2025

Ukraine's national electricity transmission system operator. Datahub = high-load data-exchange & settlement platform for Ukraine's electricity market, 21M metering points — built in-house from scratch (40+ Go/Python microservices, React frontends).

Platform engineering & infrastructure:

- Architected and stood up the greenfield infrastructure from scratch — all four environments (**dev/test/stage/prod**) and CI/CD: **Kubernetes** (4 environments on Hyper-V VMs, ~50 nodes total), **Istio** (VirtualService/DestinationRule configs), **Ceph** (3-node cluster, PersistentVolumes for stateful workloads).

- **Large-scale migration:** moved 40+ microservices and their data stores through a controlled 4-tier environment model into production — repeatable, version-controlled deployments with rollback paths; weekly production releases coordinated with the market regulator's calendar.
- **CI/CD pipelines:** **GitLab** (branch-per-environment: develop/test/prod) triggering Jenkins Pipeline-as-Code via webhooks on merge. Sped up builds from 45 to 14 minutes with pre-built base images in **Harbor** and multi-stage **Dockerfiles**; cut deployment downtime via blue-green releases with maintenance-mode windows.
- **Data infrastructure:** Deployed and managed **PostgreSQL** HA (Patroni: 1 Master + 2 Replicas per environment), RabbitMQ, Redis, **OpenSearch**, **ClickHouse** (time-series analytics for 21M metering points / hourly & 15-min intervals), Apache Superset.
- **Observability:** Deployed **Prometheus + Grafana + Loki + OpenSearch** with dashboards & alerts for Kubernetes, Istio, PostgreSQL/Patroni and RabbitMQ. Resolved recurring DB latency spikes by tuning PostgreSQL autovacuum on large partitioned tables under peak ingestion.
- **Regulated context:** operated critical national infrastructure with controlled release lifecycle, security controls (namespace isolation, Istio access policies, credential rotation), and stakeholder sign-off on every production change.

Engineering leadership:

- Led a 35–43 person department across backend, frontend, QA, BA, DevOps, DBA, UX/UI.
- Set technical direction for the entire platform; all architectural decisions owned personally.
- Advocated for and drove the business decision to procure Red Hat OpenShift with enterprise support.
- Supported Ukraine's critical energy grid infrastructure through the war (2022–2025), working remotely from Poland.

Project Manager

NPC Ukrenergo / SoftServe / Self-Employed | Kyiv, Ukraine | 07/2018 – 02/2021

- Led cross-functional technical teams (DevOps, Development, QA, BA) ensuring timely delivery of complex software projects.
- Managed project lifecycles using Agile methodologies (Scrum, Kanban): sprint planning, release management, stakeholder communication.

Early Career: Oracle DBA & EBS Consultant, Technical Architect, Project Manager

Various companies | Ukraine, Israel, USA | 1997 – 2018

Oracle E-Business Suite administration and implementations (OPM, INV, PO, EAM modules), Oracle BI EE, DBA (25+ database instances), ETL/data warehouse development, database architecture, performance tuning. International experience: Unitask Inc. (Israel) with on-site engagement at Teva Pharmaceuticals (USA) — 7+ clients. Project management: Delta Bank Belarus (DWH), National Bank of Ukraine (IBM WebSphere MQ), BelVEB Belarus (Pega BPM) — banking-sector delivery. Major technical clients: Treasury of Ukraine, ASTC Antonov (aviation).

Portfolio

platform-iac (Public) — <https://github.com/abevz/platform-iac> OpenTofu + Ansible provisioning on Proxmox/Kubernetes: SOPS-encrypted secrets, one-command cluster deploy, security tooling (Falco, Trivy, kube-bench), Prometheus + Grafana, 4,297 lines of docs/runbooks.

platform-iac-gitops (Public) — <https://github.com/abevz/platform-iac-gitops> ArgoCD app-of-apps (Git as source of truth), External Secrets Operator + HashiCorp Vault, Kyverno policy guardrails (no latest tag, no privileged containers, signed images only).

democicd (Public) — <https://github.com/abevz/democicd> Full CI/CD supply chain: kaniko build → Trivy scan → cosign sign → GitOps deploy by digest; Vault JWT auth (no secrets in CI variables); Kyverno blocks unsigned images at admission.

Education

Master's Degree in Computer Science (Informatics / Specialist) Odessa National Polytechnic University | Odessa, Ukraine | 1992 – 1997

Languages

English — Working proficiency · **Russian** — Native · **Ukrainian** — Native · **Polish** — Basic