

Dobry Nikolov

DevOps Engineer

DevOps & Cloud Infrastructure Consultant | Azure - Kubernetes - Go

DevOps Engineer with **5+ years** delivering **Cloud** infrastructure, **CI/CD** automation, and **observability** solutions for **enterprise** platforms. Specialized in **Azure** microservices, **Kubernetes** orchestration, **IAM** implementation, and **Golang**-based development. Proven track record modernizing legacy systems, reducing deployment times, and implementing production-grade **monitoring** with Datadog and Grafana.



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Experience

Ascent

DevOps Engineer - Insurance Platform Operations
Remote

Jun 2025-Present

- Architected and implemented end-to-end observability framework for a team spanning **Azure** microservices, **Databricks** analytics platform, and ML model pipelines processing daily insurance claims, using **Datadog** to reduce MTTR by 40% and provide **unified monitoring** across heterogeneous technology stacks
- Defined **SLOs** and alert routing strategies that improved incident response times from hours to minutes
- Standardized operational runbooks across 15+ services, enabling faster **onboarding** and **incident resolution**
- Collaborated with data teams to productionize AI-assisted data enrichment pipelines with reproducible Azure deployments
- Technologies:** Azure (AKS, App Services), Datadog, Grafana, Kubernetes, Databricks

Schwarz IT Bulgaria

IAM DevOps Engineer - Enterprise Identity Platform
Sofia, Bulgaria - Hybrid

Dec 2023 - Jun 2025

- Developed **new Golang microservices** to replace legacy IAM components, improving throughput by 60% and reducing technical debt
- Architected centralized IAM API (**REST + GraphQL**) serving 500K+ users, unifying policy management across the organization
- Owned complete **testing** lifecycle (unit, integration, E2E) in absence of dedicated QA, maintaining 95%+ test **coverage**
- Implemented **CI/CD** pipelines with security gating and automated release management
- Technologies:** Go, LDAP, Active Directory, Kubernetes, Azure DevOps, GraphQL, REST APIs

CleverPine

DevOps Engineer - Multi-Client Delivery
Sofia, Bulgaria - Hybrid

Aug 2021 - Nov 2023

- Automated CI/CD pipelines (**Jenkins, Azure DevOps**) reducing deployment time by 70% and enabling daily releases
- Provisioned and operated **Kubernetes/OpenShift** clusters with Helm, implementing canary deployments and health probes
- Initialized and maintained **cloud infrastructure** for multiple client projects using **Terraform**, ensuring consistent multi-cloud deployments across **AWS** and **Azure** environments
- Codified infrastructure with **Ansible** and **Docker/Podman**, achieving 100% **reproducible environments**
- Implemented **monitoring** stack (**Prometheus/Grafana**) with golden signals and actionable alerts, improving system reliability to 99.9% uptime
- Technologies:** Kubernetes, OpenShift, Jenkins, Ansible, Docker, Prometheus, Grafana, Helm, Terraform

Skills

Cloud Platforms:

Azure (AKS, DevOps, App Services), AWS basics

Container Orchestration

Kubernetes, K3s, Docker, Helm

Infrastructure as Code

Terraform, Terragrunt, Ansible, NixOS

CI/CD

Azure DevOps, Jenkins, GitLab CI/CD, ArgoCD

Programming

Go, Python, Bash, Nix

Observability

Datadog, Grafana, Prometheus, ELK Stack

Security & IAM

LDAP, Active Directory, SOPS, OAuth/OIDC

Methodologies

GitOps, Infrastructure as Code, SRE practices

Projects

Pangolin Operator

Open-source Kubernetes operator for managing secure tunneled reverse proxies through custom resources, enabling zero-trust network access to cluster workloads without exposed ports.

Architected and developed a production-grade Kubernetes operator that automates secure tunnel provisioning for cluster services through declarative CRDs. Implemented custom controllers for managing organizations, tunnel sites, and resource proxying with automatic domain resolution and SSL termination. Ensured reproducible development environment using nix flakes. Solved the challenge of exposing internal services securely without opening firewall ports or managing VPN infrastructure.

Go, Kubernetes, Operator SDK, CRDs, Helm, Nix

🔗 <https://github.com/bovf/pangolin-operator>

NixOs Homelab

Fully declarative home infrastructure platform built on NixOS and K3s, managing 15+ self-hosted services with encrypted secrets and reproducible deployments from version-controlled configuration.

Designed and implemented a complete infrastructure-as-code platform demonstrating enterprise-grade GitOps practices at home scale. Manages 15+ production services including GitLab (CI/CD), PostgreSQL, MinIO (S3), Jellyfin, and monitoring stack (Grafana/Prometheus) through purely declarative Nix configuration. Integrated SOPS for encrypted secrets management with automated key rotation and Bitwarden sync. Achieved zero-touch deployment capability where entire infrastructure can be reproduced from scratch via ``nix run .#deploy``

NixOS, K3s, Helm, SOPS, Nix Flakes, GitOps, Pangolin Tunnels

🔗 <https://github.com/bovf/homelab-overkill>

Education

Sofia University

Molecular Biology

Undergrad

2017-2021

Software University

Computer Software Engineering

Online