

FIRDAVS SAMADOV

DevOps Engineer | Cloud Engineer

SUMMARY

DevOps and Cloud Engineer with 3+ years of hands-on experience in networking and systems administration, now specialized in cloud-native infrastructure and automation. Proven ability to design and deploy production-grade AWS environments end-to-end — from infrastructure provisioning with Terraform, to container orchestration on Kubernetes, GitOps delivery with ArgoCD. Builds full observability stacks with Prometheus, Grafana, and Loki. Strong networking foundation (Cisco CCNA) combined with modern cloud engineering skills. Seeking Junior DevOps and Cloud Engineer — remote.

WORK EXPERIENCE

System Administrator

Technological University of Tajikistan · Aug 2023 – Jul 2024 · 1 year

- ▶ Installed, configured, and maintained network servers and infrastructure supporting university operations
- ▶ Provided client support and resolved hardware/software issues for staff and students
- ▶ Monitored local network traffic and performed troubleshooting for connectivity and performance issues
- ▶ **Skills:** Server maintenance, virtualization, network monitoring, troubleshooting, client support

Network Administrator

CJSC Bank Arvand · Sep 2022 – Jun 2023 · 10 months

- ▶ Managed secure network operations for a financial institution — ensuring availability, security, and compliance
- ▶ Installed, maintained, and monitored Cisco network devices (routers, switches, firewalls) across bank branches
- ▶ Served as first-line support for all network-related issues; implemented secure network policies and access controls
- ▶ **Skills:** Cisco devices, secure networks, VLANs, firewall configuration, network monitoring, incident response

Network Engineer

Technological University of Tajikistan · 2021 – 2022 · 1 year

- ▶ Installed and maintained network equipment; organized structured cabling for optimal network performance
- ▶ Provided technical support to staff and students; troubleshooted and resolved network connectivity issues
- ▶ **Skills:** Network equipment installation, cable management, client support, troubleshooting

EDUCATION

Master's Degree — Information and Communication Engineering

Shenyang Aerospace University · Sep 2024 – Present · China

CONTACT

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CORE SKILLS

- Amazon Web Services (AWS)
- Kubernetes
- Terraform (IaC)
- Docker & Containers
- ArgoCD — GitOps
- GitHub Actions CI/CD
- Jenkins CI/CD
- Ansible
- Prometheus + Grafana
- Loki (Log Aggregation)
- Python · Bash · YAML
- Linux (Ubuntu, CentOS)
- Networking (Cisco CCNA)

CERTIFICATIONS

🔗 [Decoding DevOps — From Basics to Advanced Projects with AI — Udemy \(Jun 2026\)](#)

🔗 [CCNAv7: Enterprise Networking, Security, and Automation — Cisco \(Dec 2022\)](#)

🔗 [CCNAv7: Switching, Routing, and Wireless Essentials — Cisco \(Feb 2022\)](#)

🔗 [CCNA R&S: Introduction to Networks — Cisco \(May 2021\)](#)

🔗 [NDG Linux Essentials — \(Apr 2021\)](#)

🔗 [IT Essentials: PC Hardware and Software \(Nov 2020\)](#)

PROJECTS

Cloud-Native Commerce Platform github.com/Fedia-2211/cloud-native-commerce-platform

[AWS EKS](#) · [Terraform](#) · [Saleor Commerce](#) · [ArgoCD](#) · [HPA](#) · [KEDA](#) · [GitHub](#)

[Actions](#) · [Trivy](#) · [Checkov](#) · [Prometheus](#) · [Grafana](#) · [Loki](#)

- ▶ Deployed Saleor Commerce 3.20 (production e-commerce platform) on AWS EKS v1.31 with managed node group across 2 Availability Zones — same architecture used by real e-commerce companies
- ▶ Provisioned complete AWS infrastructure with Terraform (7 modules, 45 resources): EKS, RDS Postgres 15, S3, 4 ECR repos (AES256 encrypted, scan-on-push), IAM with least-privilege policies
- ▶ Implemented GitOps with ArgoCD — 7 applications (API, worker, dashboard, storefront, Redis, monitoring, Loki) managed from Git, auto-synced, self-healing
- ▶ Built 4-stage DevSecOps CI/CD pipeline: Gitleaks → Checkov (fixed 3/5 findings: IMDSv2, EBS optimization, monitoring) → Docker build → Trivy CVE scan → ECR push → ArgoCD auto-deploy
- ▶ Implemented HPA on API pods (CPU-based, 2→4 replicas with stabilization windows) and KEDA on Celery workers (Redis queue-depth trigger, 1→10 replicas) — demonstrated live scaling with 50 queued tasks in 30 seconds
- ▶ Deployed kube-prometheus-stack (Prometheus + Grafana + 20 dashboards) + Loki + Promtail log aggregation; configured EBS CSI gp3 StorageClass for persistent volumes
- ▶ Proved Kubernetes portability: same Helm charts deployed to both self-managed k3s and AWS EKS with zero modifications

GitOps Kubernetes Platform github.com/Fedia-2211/gitops-k8s-platform

[AWS EC2](#) · [k3s](#) · [Terraform](#) · [ArgoCD](#) · [Helm](#) · [GitHub](#)

[Actions](#) · [Prometheus](#) · [Grafana](#) · [Loki](#) · [RDS Postgres](#)

- ▶ Built 2-node k3s Kubernetes cluster on AWS (t3.medium + t3.small) with RDS Postgres 15; provisioned with Terraform (4 modules)
- ▶ Deployed Wiki.js (self-hosted wiki) with HTTPS via cert-manager + Let's Encrypt, served through Traefik ingress at wiki.samadov.xyz; wrote custom Helm charts (Deployment, Service, Ingress, ConfigMap)
- ▶ Implemented full GitOps loop: GitHub Actions builds Docker image → pushes to ECR (SHA-tagged) → commits updated Helm values → ArgoCD auto-deploys to cluster
- ▶ Deployed kube-prometheus-stack monitoring + Loki log aggregation; built custom Flask status microservice showing live git commit SHA for deployment verification

Enterprise Application Platform github.com/Fedia-2211/enterprise-application-platform

[AWS EC2](#) · [Terraform](#) · [Ansible](#) · [Jenkins](#) · [Gitea](#) · [MySQL](#)

[8](#) · [RabbitMQ](#) · [Memcached](#) · [NGINX](#) · [CloudWatch](#)

- ▶ Designed 3-tier production infrastructure on AWS with Terraform (7 modules, 78 resources): VPC, 4 subnets, 6 EC2 servers (Ubuntu 22.04 + CentOS Stream 9), ALB with ACM wildcard certificate, Route 53
- ▶ Automated full server configuration with Ansible (9 roles): security hardening (Fail2ban, UFW), Gitea HA (2 servers behind ALB), MySQL 8, RabbitMQ, Memcached, Jenkins (WAR + Java 21), CloudWatch agent
- ▶ Built Jenkins Declarative Pipeline CI/CD; implemented CloudWatch alarms with SNS alerting (CPU, 5xx errors, latency, unhealthy targets)

LANGUAGES

- Tajik (Native)
- Persian (Farsi)
- Russian
- English