

Andranik Grigoryan | DevOps Engineer

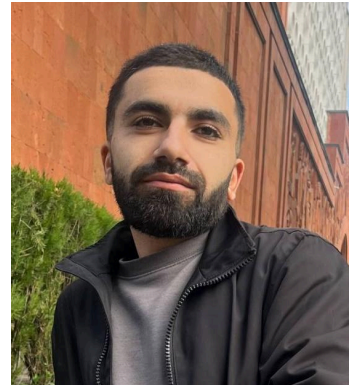
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Summary

DevOps engineer with 4+ years of expertise in Kubernetes, CI/CD, Cloud, and infrastructure automation. Demonstrated ability to deliver high-quality software and maintain operational efficiency.

Experience

DevOps Engineer | Goya CJSC

2022- Present

Responsibilities

- **Developed Ansible playbooks:** Created and maintained Ansible playbooks for provisioning air-gap K3s infrastructure on edge clusters, ensuring reliable and secure deployments.
- **Automated self-hosted GitLab deployment:** Deployed and managed self-hosted GitLab instances, structuring groups and projects for efficient infrastructure management using Ansible and Terraform.
- **Collaborated on Kubernetes provisioning wizard:** Worked with the development team to design a user-friendly wizard for Kubernetes provisioning in air-gap environments, supporting resource provisioning for PostgreSQL, EtCD, OpenSearch, Nexus, and GitLab.

Achievements

- **Enhanced cluster management efficiency:** Improved cluster management efficiency by 35% and reduced manual intervention by 50% through the implementation of GitOps principles.
- **Reduced cloud costs:** Automated bare-metal infrastructure, leading to a 60% reduction in cloud costs and a 45% decrease in infrastructure provisioning time.

DevOps Engineer | Stone Valley LLC

2020-2022

Responsibilities

- **Optimized IaC setup:** Enhanced the Infrastructure as Code (IaC) setup to improve scalability, performance, and deployment efficiency.
- **Integrated GitFlow branching strategy:** Incorporated the GitFlow branching strategy into CI/CD pipelines, ensuring a structured and reliable workflow across development teams.
- **Standardized infrastructure and CI/CD processes:** Established standardized processes for infrastructure and CI/CD to improve collaboration and reduce errors across teams.

Achievements

- **Increased load capacity:** Achieved a 25% increase in load capacity by optimizing the IaC setup, allowing the infrastructure to handle greater demands.
- **Reduced deployment times:** Decreased deployment times by 30%, resulting in faster and more efficient rollouts of new features and updates.
- **Improved workflow efficiency:** Enhanced development workflow efficiency by 20% through the integration of the GitFlow branching strategy.
- **Decreased release cycle times:** Reduced release cycle times by 15%, accelerating the delivery of new features and bug fixes.
- **Enhanced cross-team collaboration:** Boosted collaboration across teams by 40% through standardized processes, leading to a more cohesive and efficient working environment.
- **Reduced deployment errors:** Cut deployment errors by 25%, ensuring more reliable and consistent releases.

Skills

- **Systems Administration:** Linux, Networking
- **Containerization & Orchestration:** Docker, Docker-Compose, Kubernetes
- **Kubernetes Tools:** Helm, Kustomize, Ingress-Nginx, ExternalDNS, CoreDNS, CSI, CNI
- **Cloud Computing & Networking:** AWS, Linode, Cloudflare
- **Scripting:** Bash, Python, Golang (familiarity)
- **Virtualization:** VirtualBox, Vagrant
- **Container Registries:** Nexus, DockerHub, Harbor
- **CI/CD:** GitLab, GitHub Actions, ArgoCD, Jenkins
- **Identity Management:** Keycloak, OpenUnison
- **Version Control:** Git
- **Monitoring & Logging:** Prometheus, Grafana, Cilium Hubble, FluentBit, Logstash, OpenSearch
- **Storage:** Longhorn, DirectPV, MinIO, AWS S3
- **IaC, Automation, and configuration management:** Ansible, Terraform CDK

Side Projects

Kubernetes Resource Watcher

Microservice written in Go that monitors any custom resource deployed in the cluster and verifies its status.

Keycloak Combined Operator

Helm chart for the Keycloak operator in Kubernetes that integrates EPUM and official Keycloak operators. This setup enables creating Keycloak instances and configuring realms, clients, users, etc., using Custom Resource Definitions.

Certifications

- **Certified Kubernetes Administrator (CKA)**
- **AWS Certified Solutions Architect Associate**

Education

Cybersecurity Bachelor's | Armenian National Polytechnic University

2022 - 2024