Moushegh Amirbekyan



DevOps Airborne · Platform Architect · Cloud & Infrastructure Expert

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GitHub · LinkedIn · Toptal · Linux Foundation · Google Skills Boost

SUMMARY

Open source enthusiast and terminal loyalist. I build small systems, boring infrastructure and teams that can operate both. "All ingenious is simple" - production is where you find out if that's true.

EXPERIENCE

DevOps *********

**** 2026 - PRESENT · Yerevan, Armenia

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- *** Kubernetes* deploy**** ********** *** *** automation ****** ****
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- ****** security *** ********** ******* ******* ******* *** ******** **** * ********* ********
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Stack: Kubernetes, Terraform, Ansible, Helm, Argo CD

DevOps Lead

FEB 2024 - OCT 2025 · San Francisco, CA, USA

Deep Origin

Built the cloud-native substrate for a Kubernetes Operator - infrastructure code, CI/CD and ephemeral environments that appear and disappear on request.

- Architected cloud-native infrastructure for a Kubernetes Operator, with the operator's lifecycle as the design constraint
- Wrote infrastructure as code that another engineer could read without a meeting
- Designed CI/CD that was boring in the best sense: fast, deterministic and hard to break
- Delivered automated ephemeral environments that rolled into isolated AWS accounts in 15 minutes
- Built centralized observability - Prometheus, Thanos, Grafana, Loki, Tempo, Fluent Bit, OpenTelemetry - so incidents had evidence
- Grew the team to five across the Americas and Europe; hired, mentored and handed over

Stack: Kubernetes, Terraform, Argo CD, GitHub Actions, Helm, Prometheus, Grafana

Senior DevOps Engineer

MAR 2022 - FEB 2024 · New York, NY, USA

Verve Group

Owned GCP infrastructure as code and led the migration from the legacy estate to the new platform - while both were still running.

- Built cloud-native GCP infrastructure in Terraform, reviewable and reproducible
- Maintained the legacy estate while completing the migration, which is the professional way of saying "two jobs"
- Built automated development environments that followed the best practices we kept telling everyone about
- Adopted and hosted new in-house and outsourced projects without inheriting their surprises

Stack: Google Cloud (GCP), Terraform, Kubernetes, GitLab CI, Jenkins, Prometheus, Grafana, NGINX

DevOps Engineer

NOV 2020 - DEC 2022 · Yerevan, Armenia

DataArt

Operational support and automation across client platforms, with security and observability as the recurring themes.

- Provided ongoing operational support with a bias toward automation and security improvements
- Designed self-service tools and automation workflows so teams could stop filing tickets for the obvious
- Worked with DevOps teams and stakeholders to improve CI/CD pipelines and processes
- Improved monitoring, alerting and performance tuning until the noise-to-signal ratio was tolerable
- Supported Kubernetes environments and the container workflows around them

Stack: Kubernetes, GitLab CI, Jenkins, Ansible, Prometheus, Grafana, Elasticsearch

DevOps and Platform Developer

Resident since 2019 · Remote

Toptal

Consulting engagements across industries, usually to stabilise, optimise or unblock platform work that has stopped moving.

- Consultancy and expert services for global clients across healthcare, education, R&D, media and e-commerce
- Short interventions and long collaborations, depending on how deep the damage went

- Dropped into active projects to stabilise, optimise or get them back on track
- Supported teams with DevOps architecture, cloud infrastructure and CI/CD improvements
- Left each engagement with documentation, so the next person did not have to reverse-engineer my decisions

Stack: Terraform, Kubernetes, AWS, Google Cloud (GCP), GitHub Actions, Argo CD, Helm

Head of SRE Department

SEP 2019 - DEC 2020 · Yerevan, Armenia

BetConstruct

Led the SRE department through operations, cost and process improvements - the part of engineering that shows up on an invoice.

- Drove operations improvements across a 20+ person department, mostly by removing work that did not need to exist
- Cut infrastructure costs without making reliability the sacrifice
- Turned tribal knowledge into standard practices the team could actually follow
- Managed vendor sourcing and contract negotiations; procurement is just capacity planning with lawyers
- Hired, mentored and kept a distributed team pointed at the same problems
- Owned the compliance conversations - SOC2, NIST, ISO 27001 - with evidence rather than optimism

Stack: Kubernetes, Prometheus, Grafana, Zabbix, NGINX, HAProxy, RHEL / CentOS / Rocky Linux

Senior Unix/Linux Systems Engineer

JAN 2016 - SEP 2019 · Yerevan, Armenia

BetConstruct

Ran Linux systems and built the company's in-house CI/CD platform, back when buying one was not an option.

- Administered Linux systems across bare metal, virtual hosts and the first containers that stuck
- Built and supported open source infrastructure instead of waiting for a vendor roadmap
- Implemented monitoring and alerting that could tell the difference between "busy" and "broken"
- Developed a proprietary CI/CD system, because the build pipeline is a product whether you treat it as one or not
- Designed and deployed large infrastructures spanning bare metal, VMs and containers
- Ran root cause analysis: found the cause, fixed the cause, wrote down what the cause taught us

Stack: RHEL / CentOS / Rocky Linux, Ansible, Jenkins, NGINX, HAProxy, Prometheus, Zabbix

Unix/Linux Systems Engineer

FEB 2014 - JAN 2016 · Yerevan, Armenia

BetConstruct

Unix/Linux, virtualisation, DNS, web and proxy services across an estate that grew faster than the documentation.

- Administered Unix/Linux systems across a mixed estate of physical, virtual and early container workloads
- Built and supported NFS, DNS, web and proxy servers, the unglamorous plumbing everything else depends on
- Administered the virtualisation layer, back when "cloud" still meant a room with a door
- Managed the Cloudflare enterprise account via API, because clicking through a console at scale is not a strategy
- Automated the repeatable work in Bash and Perl; the rest was on-call
- Covered after-hours and holiday support and learned which alerts deserved a phone call

Stack: RHEL / CentOS / Rocky Linux, NGINX, HAProxy, DNS, KVM, Bash, Perl

NOC Engineer

JUL 2013 - FEB 2014 · Yerevan, Armenia

BetConstruct

Kept the lights on before "observability" was a budget line. Monitoring, alerting and automation for a 24/7 operation.

- Implemented system monitoring and alerting before it had a fashionable name
- Built proactive monitoring and preventative action plans, so outages were something we found before users did
- Automated the daily procedures that were quietly eating the team's mornings
- Managed the Google Apps enterprise account, back when that was a whole job
- Carried after-hours and holiday on-call, which is where operational empathy comes from

Stack: Zabbix, Nagios, Bash, RHEL / CentOS / Rocky Linux

SKILLS

CLOUD COMPUTING	Google Cloud (GCP), AWS, Azure, IONOS, Aliyun, OTC, Hetzner, OCI
LINUX/UNIX ADMINISTRATION	RHEL / CentOS / Rocky Linux, Debian, Ubuntu, OpenSUSE, OpenBSD, FreeBSD
ORCHESTRATION	GKE, EKS, OKE, Kubernetes, K3s, OpenShift, Rancher
IAAC	Terraform, OpenTofu, Tilt, Terrapod, Terragrunt
CONFIGURATION MANAGEMENT	Ansible, Chef, Puppet
CI/CD	Jenkins, GitLab CI, Bitbucket CI, GitHub Actions, Argo Events, Argo Workflows, Argo CD, Argo Rollouts, Kargo, Werf, Cloud Native Buildpacks
OBSERVABILITY	Prometheus, Grafana, Loki, Tempo, Thanos, OpenTelemetry, Fluentd, FluentBit, Langfuse, Elasticsearch, Logstash, Kibana, Zabbix, Nagios
SERVICE MESH	Linkerd, Istio, Cilium
PACKAGE MANAGEMENT	Helm, dep, rpm, Porter
WORKFLOW AUTOMATION	Knative, n8n, Kubeflow, Apache Airflow, Koreo
AI/ML	OpenLLM, Ollama, OpenDevin, LiteLLM, vLLM, llm-d
WEB	NGINX, Kong, OpenResty, Apache, lighttpd
PROXY	HAProxy, Squid, Envoy, Traefik
CACHING	Varnish, Redis, Memcached
DATABASE	PostgreSQL, CloudNativePG, MySQL, ClickHouse, SQLite, MongoDB, Tarantool
MESSAGING	Kafka, Zookeeper, VerneMQ, Memphis
SOURCE VERSION CONTROL	Git, GitHub, GitLab, gitolite, SVN
VULNERABILITY ASSESSMENT	OpenVAS, Trivy, Nessus
POLICY MANAGEMENT	Kyverno, OPA
CHAOS ENGINEERING	Chaos Mesh, LitmusChaos
PROVISIONING	Vagrant, Packer, Karpenter
CONTAINERIZATION	Docker, containerd, LXC
DNS	BIND, CoreDNS, KubeDNS, Cloudflare API
SMTP	Exim, Postfix, Mailu
VIRTUALIZATION	KVM, ESXi
SCRIPTING	Bash, Go, Perl

Also: Infrastructure architecture · Penetration testing · Problem resolution · Team management

SELECTED PROJECTS

DevOps Skills Demo · Demo 2025
https://github.com/Amirbekyan/devops-task

Deep Origin OS · Deep Origin 2024 - 2025
https://www.deeporigin.com

ESPX® · Bax Energy Italia Srl 2025
https://www.baxenergy.com/

Cubiks E-commerce Platform · Cubikssoft 2023 - 2024

Platform161 · Verve Group 2022 - 2024
https://verve.com/demand-side-platform/

Urbana IoT Suite · Urbana Smart Solutions 2021 - 2023
https://urbanasmart.com/

Inka · Dr.Pfleger Arzneimittel 2021 - 2022
https://www.meine-inka.de/

Magnosco · Magnosco GmbH 2021
https://magnosco.com

EuXFEL Trainings · European XFEL 2021
https://training.xfel.eu/

DocDay · SureCompanies Inc. 2020
https://www.docday.com/

allynow.com · Ally Inc. 2019
https://allynow.com/

VBet.com · BetConstruct 2013 - 2020
https://www.vbet.com/

EDUCATION

Languages: Armenian · English · Russian

Bachelor Degree, Information Technologies
European Regional Educational Academy · Yerevan, Armenia
2011 - 2013

Informatics and Applied Mathematics
Yerevan State University · Yerevan, Armenia
2008 - 2011