

Kumar Damani

Basic Info

- email: me@kumardamani.net
- blog: kumardamani.net
- git: gitlab.com/kdam0

Highlights

Established GitOps as a means of auditable, reproducible, transparent changes by implementing the [rendered manifests](#) pattern with change management for compliant deployments for our Constellation Management software.

Led enterprise-wide adoption of Infrastructure as Code (IaC), standardizing deployment workflows and infrastructure management across on-prem, and hybrid environments.

Developed and maintained a critical internal-tool responsible for lab inventory management, configuration, resource allocation (aka. the [Testbed Mapping Problem](#)) to facilitate hardware test automation.

Implemented a self-service infrastructure model that significantly improved development, and QA experience in a microservice architecture.

Supported multi-region, high-volume production systems handling 1B+ requests per day requiring sub-30ms latency, while delivering reliable, robust deployments.

Instituions

- 2019 | Hon. Bach. of Science in Computer Science w/ focus in Natural Language Processing, University of Toronto, Toronto, Canada
- 2021 | ITIL 4 Foundation Axelos

Experience

2020-Now Platform Lead Kepler Communications
Toronto, Canada Industry: Space Internet Communications

2019-2020 DevOps Engineer Illumin (formerly AcuityAds) Toronto, Canada Industry: Ad Tech

2016-2017 Full Stack Engineer Achiga (formerly WebCanada) Toronto, Canada Industry: Web Development

Languages & Technologies

Programming: Python, TypeScript, Go

IaC: Nix, Ansible, Terraform

CI/CD: ArgoCD, Gitlab CI, Github

Containers: Kubernetes, Docker Compose, LXC

Cloud: AWS, Vultr, DigitalOcean

VMs: Proxmox, Vagrant, Openstack

Monitoring: Grafana, Prometheus, InfluxDB

Logs: VictoriaLogs, ELK, Loki

Web Dev: FastAPI + React, Django, PHP Zend

Mobile: React-Native, Expo

Networking: Arista, Mikrotik, OpenWRT

Security: HashiCorp Vault, Infisical

Hobbies

Dad, home-labbing, Nix, blogging, distro-hopping, nba, photography, memes.

References

Email me with your interests in me and I'll refer you to someone who can vouch for me or defame me, depending on what you want.