

Kumar Damani

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Basic Info



me@kumardamani.net

kumardamani.net

gitlab.com/kdam0

- Infrastructure architect with 7+ years of experience across on-prem, hybrid, and cloud environments—from embedded systems to enterprise SaaS platforms.
- Experienced in building comprehensive Internal Developer Platforms (IDPs) that improve engineering productivity and reduce operational complexity.
- Skilled in designing scalable cloud infrastructure using Infrastructure as Code (IaC), Kubernetes, and multi-cloud architectures, transforming complex systems into streamlined, maintainable solutions.
- Proficient in developing platform engineering tools in Python, and Ansible to automate workflows and eliminate manual interventions, driving operational efficiency.
- Built and optimized CI/CD pipelines and observability frameworks that enhanced deployment reliability and system resilience.
- Led DevOps initiatives that bridged development and operations, reducing mean time to resolution (MTTR) and accelerating innovation.


Institutions

2019	Honours B.Sc. in Computer Science (w/ focus in Natural Language Processing) <i>University of Toronto</i> Toronto
2021	ITIL 4 Foundation <i>Axelos</i> UK

Hobbies

Self-hosting, scripting, Nix, free (libre) software, distro-hopping, linguistics, nba, survivalism, 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.

Experience

2020- Now	Platform Tech. Lead (IC) <i>Kepler Communications</i> Industry: Space Comms. <ul style="list-style-type: none">› Led the enterprise-wide adoption of Infrastructure as Code (IaC), standardizing deployment workflows and infrastructure management.› Designed and built mission-critical software, including a custom Netbox plugin and a Linux-based routing solution, optimizing infrastructure coordination in lab environments used by 70+ eng. daily.› Developed automation and orchestration solutions that streamlined satellite manufacturing, improving efficiency and increasing operational throughput.
2020	DevOps Engineer <i>Illumin (formerly AcuityAds)</i> Industry: AdTech <ul style="list-style-type: none">› Modernized infrastructure with Ansible and Terraform, enhancing maintainability and scalability› Implemented a self-service infrastructure model that significantly improved developer velocity across a global microservices architecture› Supported a high-performance system handling 1B+ requests per day with sub-30ms latency, ensuring reliability and scalability.
2019	Full Stack Engineering Lead <i>University of Toronto - UN Sustainable Development Goals</i> Toronto
2017	Full Stack Engineer <i>Achiga (formerly WebCanada)</i> Toronto

Languages / Technologies I Use

Programming:	Python, JavaScript, Go
IaC:	Ansible, Terraform
Scripting:	Python, Go, Bash
CI/CD:	Gitlab, Github, ArgoCD, Airflow
Containers:	Kubernetes, Docker Compose, LXC
Cloud:	AWS, Vultr, DigitalOcean
VMs:	Proxmox, Vagrant, Openstack, Xen
Monitoring:	Grafana, Prometheus, InfluxDB
Logs:	VictoriaLogs, ELK, Loki
Mobile:	React-Native, Expo
Networking:	Arista, Mikrotik, OpenWRT, Fortinet
Security:	HashiCorp Vault, IAM, Certificate Management