Vishesh Agrawal

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EDUCATION

NIRMA UNIVERSITY
Bachelor of Technology
Jul 2017 | Ahmedabad, IN

TALKS

Building Containers from Scratch
Effective Terminal Session Management

LINKS

Github: @awalvie
LinkedIn: @vishesh-agrawal

SKILLS

PROGRAMMING
Python • Go • C

CLOUD PROVIDERS
GCP • AWS

KUBERNETES
Helm • Kustomize
Coredns • Calico • Kyverno
Cert-Manager • Nginx
Falco • ArgoCD
Nexus • Chartmuseum
Spinnaker • Ceph

TECH
Prometheus • Grafana
Vault • RabbitMQ • Redis
Spinnaker • ArgoCD • JenkinsX
Tailscale • InfluxDB
Redis • RabbitMQ
PostgreSQL • PGPool
PGBouncer • Replicated
Cloudflare

EXPERIENCE

DEEPSOURCE (YC W20) | Site Reliability Engineer II
Jun 2021 - Present | Bangalore, IN
- Setup and configure ArgoCD to achieve GitOps
- Setup Teleport for zero trust secure access to infrastructure
- Harden cluster to block network egress with kyverno
- Managed all infrastructure as sole member of the SRE team for a quarter
- POC for DeepSource Enterprise installations and support
- Performed zero downtime migration of DeepSource's production database
- Internal security tooling and practices to achieve SOC2
- Maintained CI/CD pipelines in JenkinsX, Tekton, Ceph and Spinnaker
- Live migrated production k8s cluster to GCP's Dataplane V2 with Velero
- Vault for secret management and credential rotation
- Automated local dev setup of DeepSource's primary backend with Ansible
- Tailscale on Kubernetes as the primary internal VPN
- Audited, systemized and automated provisioning GCP IAM requests
- Cloudfront caching DeepSource's static site assests

SENDX | DevOps Intern
Jan 2021 – Jun 2021 | Remote
- Setup monitoring using AWS, Ansible, Prometheus, Alertmanager, Grafana.
- Wrote a wrapper to push metrics to Prometheus in Golang
- Setup logging using Loki and Promtail

MAJOR LEAGUE HACKING | Open Source Fellow
Oct 2020 – Dec 2020 | Remote
- Contributed to Kiwi TCMS to increase code coverage in Django
- Won the Halfway Hackthon, for project mlh-township

PROJECTS

ANZIBL | Ansible, AWS, Prometheus Alertmanager
- Ansible project to automate provisioning an EC2 instance, deploy a webserver, monitor it using Prometheus and trigger alerts with alertmanager

GO-BLENDER | Go
- Static Site Generator for awalvie.me

TENGI | C
- A minimal POSIX shell written in C

SERSIM | C
- HTTP Server written in C