

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
- 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
- Helped DeepSource achieve SOC2 compliance
- Migrated deepsource.io → deepsource.com
- 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 assets
- Maintained and improved DeepSource Enterprise Server

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