

# Vishesh Agrawal

awalvie.me | agrawal.vishesh.178@gmail.com

## 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
- Migrate CI from JenkinsX to GitHub Self Hosted Runners
- 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 assets

### 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 provision an EC2 instance, deploy a webserver, monitor it using Prometheus and trigger alerts with alertmanager.

### RECALL | Go

- Send recurring emails about friends you should stay in touch with.

### 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