

Suraj Babulal Narwade

London, England, United Kingdom

surajnarwade353@gmail.com



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SUMMARY

Platform Engineer with expertise in building scalable, reliable cloud infrastructure using containerization and cloud platforms. Skilled in applying Site Reliability Engineering (SRE) principles to enhance system performance, availability, and automation. Passionate about contributing to open-source projects and fostering community collaboration.

EXPERIENCE

Natwest Boxed, London, United Kingdom - *Platform Engineer*

October 2023 - PRESENT

- Build and manage cloud infrastructure using Kubernetes (EKS, GKE), Backstage, ArgoCD, Kyverno, and Datadog, ensuring high availability and scalability.
- Lead incident response and platform user support rotations, streamlining the incident management process to enhance reliability. Implemented Pagerduty Incident workflows
- Implement Kyverno policies to enforce security and compliance standards, improving overall platform governance.
- Develop comprehensive documentation for both the platform team and end users, improving onboarding and usability.
- Move Pagerduty's Terraform configuration to crossplane based configuration.

Uswitch, London, United Kingdom - *Senior Platform Engineer*

March 2022 - October 2023

- Set up a cost management platform to monitor and optimise Kubernetes and cloud spending using kubecost.
- Evaluated data pipeline tools and implemented Argo Workflows, standardising all data pipelines.
- Migrated from self-hosted to managed Kubernetes (EKS), reducing maintenance overhead and incidents, enabling teams to focus on developer experience.
- Deployed external secrets in production to manage Kubernetes secrets from AWS Secrets Manager.
- Created and open-sourced the [Hermod](#) project to help developers debug deployments faster with Slack alerts.
- Conducted internal training sessions on topics like Kubernetes, Sealed Secrets, and Kiam.

Uswitch, London, United Kingdom - Platform Engineer

August 2019 - March 2022

- Managed self-hosted Kubernetes on AWS and maintained its infrastructure.
- Introduced open-source tools like Cert Manager and Sealed Secrets, facilitating the adoption of GitOps.
- Led incident management efforts and authored the team's incident response handbook.
- Maintained AMIs using Packer for various Linux distributions, including CoreOS, Flatcar, and Amazon Linux.
- Developed in-house CLI tools to enhance developer experience and platform usability.
- Built and managed monitoring infrastructure with Prometheus, Thanos, Pushgateway, and Grafana.
- Set up logging infrastructure using Elasticsearch, Logstash, Fluentd, Fluentbit, and Kibana.
- Bootstrapped EKS clusters and developed Terraform modules for automated provisioning.
- Improved documentation for the platform team and end users to streamline processes.
- Organised monthly "Show & Tell" sessions, creating a space for engineers to present on technical and non-technical topics.

Red Hat, Bangalore, India - Software Engineer

December 2018 - August 2019

- Contributed to [Odo](#), a developer focussed CLI tool for OpenShift, which helped them to start developing apps with OpenShift efficiently without prior knowledge about OpenShift.

Red Hat, Bangalore, India - Associate Software Engineer

January 2017 - December 2018

- Contributed to [Odo](#), a developer focussed CLI tool for OpenShift, which helped them to start developing apps with OpenShift efficiently without prior knowledge about OpenShift.
- Contributed to [Kompose](#), which helps users convert their Docker Compose file format to Kubernetes or OpenShift, allowing developers to quickly onboard Kubernetes. Also, I helped Kompose to graduate from Kubernetes Incubator to the Kubernetes GitHub organisation.

Red Hat, Pune, India - Software Engineering Intern

February 2016 - January 2017

- Worked as a DevOps engineer to maintain and enhance the CI process in Red Hat Certification Engineering
- Dealt with various tools such as Jenkins, Git, Gerrit and automation with Python and Shell
- Worked extensively with configuration Management tools like Ansible, Puppet
- Worked on OpenStack to provision instances
- Worked on POC work about Jenkins & Docker and Kubernetes Integrations.

SKILLS

- **Container Technologies:** Kubernetes, Docker, Helm, Backstage, Kyverno
- **Cloud Platforms:** AWS, GCP
- **Programming Languages:** Golang, Python, Shell
- **Configuration Management:** Terraform, Crossplane
- **Operating Systems:** Linux (CoreOS, Flatcar, Amazon Linux)

SPEAKER

- Speaker at Hashicorp London Meetup (April 2023) and Cloud Native London Meetup (April 2022).
- Delivered keynote, "Unleashing the Power of Kubectl," at Kubernetes Community Days in [Bangalore](#) & [Delhi](#) (February 2020).
- Videos of all talks are available in a [Youtube playlist](#).

SIDE PROJECTS

- [Kubectl-eks](#) - kubectl plugin for Amazon EKS
- [terraform-civo-kubernetes](#) - Terraform module to create [Civo](#) Kubernetes Cluster
- [awsctl](#) - AWS CLI written in Golang
- [ecrctl](#) - CLI tool for AWS ECR
- [libcompose](#) - A Go library for Docker Compose
- Wrote a blog post on Civo Cloud:
 - [Visualising Civo Kubernetes Clusters from Amazon EKS Console](#)
 - [Sealed Secrets: Securely Storing Kubernetes Secrets in Git](#)

CERTIFICATIONS

- AWS Certified Solution Architect - Associate
- AWS Certified Cloud Practitioner
- CNCF Certified Kubernetes and Cloud native Associate
- CNCF Certified Kubernetes Security Specialist
- CNCF Certified Kubernetes Administrator
- [Red Hat Certified Specialist in Ansible Automation](#)
- [Red Hat Certified Specialist in OpenShift Application Development](#)
- [Red Hat Certified Specialist in OpenShift Administration](#)
- [Red Hat Certificate of Expertise in Containerized Application](#)
- [Red Hat Certificate of Expertise in Configuration Management](#)
- [Red Hat Certified System Administrator in OpenStack](#)
- [Red Hat Certified Engineer](#)
- [Red Hat Certified System Administrator](#)

OPEN SOURCE / COMMUNITY WORK

- Served as AWS Community Builder and CNCF Ambassador.
- Mentored at CodeF ([2020-2022](#)) and [Docker Global Mentor Week](#).
- Co-organized [Kubernetes Bangalore Meetup](#) and [DevConf India](#); volunteered at [PyCon India 2016](#).

EDUCATION

- **Deogiri Institute of Engineering & Management Studies**

Bachelor of Engineering, Electronics & Communications

2011 - 2015, Aurangabad, Maharashtra, India