

Yogesh Khandu Kunjir

DevOps Practitioner

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🎂 27th Feb 1987 💍 Married 📍 Mumbai, Maharashtra, India



Dear Sir/Madam,

I was excited to see a job opening that suits my profile and aspirations. If you are searching for a DevOps professional with a proven ability to develop and support high-performance applications and technical innovations? Then do consider my profile.

I have more than 8 years of experience in Design, Plan, Implement, Support infrastructure, and execution of various projects and DevOps. During the last 8 years, I have evolved from the different positions, I have started with the data centre operator to current lead DevOps so I believe that the skills and experiences I have gained through my tenure make me an ideal candidate for this job position.

I have successfully executed multiple roles such as System Admin, DevOps Engineer, Solution Architect, Technical Leader, Trainer, and Mentor. In addition to technical expertise. I love to solve complex problems along with learning new things and implement them in the best possible ways.

I am currently working as a Lead software engineer where I manage and enhance the infrastructure which is based on Infrastructure as code and all microservices are deployed in Kubernetes which is hosted in the cloud. One of the challenges is to design a highly available, scalable, and secure environment for our banking clients which will help them to grow in this competitive environment.

I believe in being a better person every day. I loved to learn and implement new things not just in the technical space but also in non-technical space. I love opensource and would love to contribute to the same in the future. I do share my learning via my medium blog.

I had earlier created an opensource hobby project in golang called KAAU(Kubernetes Authorization Authentication Utility) KAAU is a web-based application it does CRUD(Create, Read, Update, and Delete) on Kubernetes Authentication and Authorization
<https://github.com/yogeshkk/KAAU>

I look forward to a personal interview at your convenience.

Sincerely,
Yogesh Khandu Kunjir



Yogesh Khandu Kunjir

Lead Software Engineer at SS&C(DST)

DevOps Professional

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<https://github.com/yogeshkk/KAU>

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ABOUT ME

High-energy, confident IT professional with an infectious enthusiasm for technology. Holds Masters in Computer Application with 8+ years of comprehensive experience in Infrastructure design, Problem solving, Release management and DevOps.



SKILL SETS

- RHEL, Centos, Ubuntu
- AWS, VMWare, Docker
- Kubernetes, Docker Swarm
- Istio service mesh
- Ansible, Terraform
- HAProxy, Nginx, Envoy, Traefik
- Apache Webserver, Tomcat
- Jenkins
- Bash, Groovy
- Artifactory
- GitHub, TFS
- Zookeeper, Consul
- Hashicorp Vault
- MySQL, MongoDB, Cassandra
- ELK Stack, GrayLog
- Nagios, Prometheus, Grafana, Dynatrace
- Jira, Confluence, ITSM
- Release Engineering, Continues Integration & Continues Deployment



HOBBIES

- Project KAAU
- Reading (Technical, non technical)
- Photography
- Computers



EDUCATION

- 2012 ● Masters in Computer Application, Mumbai University.
- 2006 ● Bachelors in Science, Mumbai University.



RECOGNITIONS

- 2020 ● Spot award (SS&C).
- 2019 ● Spot award for stepping up and making difference (continuum).
- 2017 ● Insta award for exceptional performance (Infosys).



ACHIEVEMENTS

- 2019 ● Created new CICD using Groovy for deployment in K8S with Istio.
- 2019 ● Created new Tooling setup (all DevOps tool in K8S).
- 2018 ● Kafka upgrade with zero downtime.
- 2017 ● Containerized Micro-services from AWS.
- 2016 ● One-click CDN site deployment.
- 2013 ● Data center migration.



EXPERIENCES

- 2020 ● SS&C(DST) | Jan 2020
- 2018 ● Continuum Managed Services | Sept 2018 – Jan 2020 | 1.4 yr.
- 2015 ● Infosys Service Private Ltd. | Dec 2015 – Sept 2018 | 2.9 yrs.
- 2012 ● Capgemini India Pvt. Ltd. | Nov 2012 – Dec 2015 | 3 yrs.
- 2008 ● UGC Academic Staff College | Oct 2008 – Aug 2009 | 9 Months.



CERTIFICATION

- 2013 ● AIX 7 Administration.
- 2012 ● Certified Ethical Hacker – CEH.
- 2010 ● Red Hat Certified Engineer- RHCE.



PROJECTS SUMMARY

Uplift and maintain existing Kubernetes Infrastructure

1

Role : Architect, DevOps Engineer

Duration : Ongoing | **Tech Stack :** AWS ECR, OPA, Jenkins, Kubernetes

Improvement Docker images and Kubernetes infrastructure

Responsibilities :

- Update Monitoring, logging and scaling in all Kubernetes clusters.
- Enable scanning for all internal and public images for vulnerability and notify for all images which have a high critical vulnerability
- Create an alert if deployment contains the public image of the image tag is latest.
- Implement PDB and HPA across the environment.
- Move from Jenkins + kustomize to GitOps using ArgoCD for all deployment
- Research and implement admission control using OPA(Open Policy Agent) which will disallow deployment if an image is public or tag is latest.



PROJECTS & RESPONSIBILITIES

Create backup Infrastructure.

1

Role : Architect, DevOps Engineer

Duration : < 1 months | **Tech Stack :** AWS backup, Terraform

Create backup infrastructure to backup all storage using AWS backup

Responsibilities :

- Research the way to backup all storage which includes EBS, EFS, and various databases.
- Test backup and restore using AWS backup.
- Create various terraform module for AWS backup.
- Ensure all backups are encrypted.
- Implement it in the testing environment.
- Create a backup policy for the entire infrastructure.
- Implement backup for the entire infrastructure.
- Create process around backup and restore

Upgrade Nginx ingress across environment.

1

Role : DevOps Engineer

Duration : < 1 month | **Tech Stack :** Jenkins, Kubernetes

Upgrade old and vulnerable ingress version with latest.

Responsibilities :

- Research the way to upgrade the ingress version.
- Implement and test in playground.
- Automate the process and deploy in lower environment then move to production.
- Ensure upgrade done without downtime

CICD using shared library – DevOps 2.0

2

Role : DevOps Engineer, Developer

Duration : 4 months+ | **Tech Stack :** Jenkins, Groovy, Kubernetes, Istio

Replace existing CICD which is freestyle Jenkins jobs.

Responsibilities :

- Create a new CICD using Jenkins shared library in groovy.

- We should be able to create a build of any branch using the multi-branch pipeline.
- New CI should be able to handle 100's of parallel jobs.
- Both CI and CD will be handled in single Jenkins file i.e. one job
- It should be able to deploy to AWS as well as on Kubernetes.
- In Kubernetes, Istio service mesh will be used for communication within and outside Kubernetes.
- Use Kubernetes plugin to create Jenkins slave as a Kubernetes pod and BlueOcean for better visualization.
- Configure Artifactory to store build. Sonar to scan code and Hashicorp Vault to store all sensitive data.

Create new Tooling environment - DevOps 2.0

2

Role : DevOps Engineer

Duration : 2 months | **Tech Stack :** KOPS, Kubernetes, Helm, Ansible

Replace existing DevOps tools with a new tooling environment.

Responsibilities :

- Research and plan a tooling environment.
- All tools should available under a single umbrella.
- All tools should be either SSO or AD login.
- Create a Kubernetes cluster using Kops.
- Install all DevOps tools such as Jenkins, Artifactory, Sonar, Hashicorp Vault, Prometheus, Grafana and Graylog inside a Kubernetes using Helm charts.
- Create automation for Kubernetes cluster creation and tools installation.
- It should be available on one domain and different context path with HTTPS
- Configure All tools using the best possible configuration.
- All tools will be highly available.
- Use configuration as code as much as possible.
- Create test and implement Kubernetes backup and restore plan using Heptio Velero
- Setup Kubernetes monitoring using Prometheus and Grafana.
- Setup Kubernetes logging using Fluentd and Graylog



ActiveMQ Implementation

2

Role : Architect, DevOps Engineer

Duration : 2 months | **Tech Stack :** ActiveMQ, Terraform, Ansible

Implement new ActiveMQ Messaging queue system

Responsibilities :

- Work with architects do design Apache ActiveMQ cluster.
- It should be highly available and scalable
- Create cloud-agnostic automation to create an ActiveMQ cluster using terraform
- Create a maintenance job for ActiveMQ for support teams.

Kafka Version Upgrade

2

Role : Architect, DevOps Engineer

Duration : 2 months | **Tech Stack :** Kafka, Terraform, Ansible.

Replace the existing old and buggy Apache Kafka version.

Responsibilities :

- Kafka is the core component so come up with a plan to upgrade without the downtime and no data loss.
- Kafka automation from AWS CloudFormation to cloud-agnostic terraform.
- Create automation for the Kafka upgrade.
- Upgrade Kafka from integration and production.

Implementation of Ecommerce Platform

3

Role : DevOps Engineer, Architect

Duration : 8 Months + | **Tech Stack :** SKAVA, Docker, Jenkins.

Responsibilities :

- Implement SKAVA Ecommerce Platform on Client Premises.
- Recreate architect diagram for the project from a container perspective. Create and execute end to end project plan from installation to implementation.
- Orchestration all container using Docker swarm orchestrator. Create a CICD Deployment for container deployment.
- Setup monitoring for entire Infrastructure using Nagios. Provide Docker training and knowledge transfer to the various client teams.

Content Delivery Network Implementation

3

Role : DevOps Engineer, Architect

Duration : 11 Months | **Tech Stack :** Nginx, Ansible, HAProxy, Keepalived

Responsibilities :

- Build a Content Delivery Network (CDN) for a telecom client. Manage application and server deployed across pan India.
- Automate the entire site creation process via Ansible. Managing Servers, Network, and Firewalls.
- Develop multiple scripts that will help in the analysis of the platform. Work closely with various applications to incorporate CDN in their platform.
- Install and configure a multi-node Hadoop cluster for CDN analytic.

Finasure Implementation

3

Role : DevOps Engineer

Duration : 3 Months + | **Tech Stack :** Finasure, Red hat.

Responsibilities :

- Build Finasure infrastructure for a banking client. Work with the application team and plan for a project.
- Build and configure a server as per requirement. Perform patching and hardening to make server secure as per banking regulation.
- Work with application team to resolve issue till go-live

NA-DCS Support

4

Role : System Administrator

Duration : 3 Yr. | **Tech Stack :** Red hat, Redhat cluster

Responsibilities :

- Provide L2-L3 server support for multiple clients for the North America region. Manage 250+ Red hat Linux and AIX systems for various clients.
- Working on the incident, change, and problem management with ITIL compliance.
- Perform software installation, Hardware troubleshooting, Firmware upgrades, and maintenance as and when required.
- Automate day to day tasks using Bash scripting or Ansible.
- Work on various projects such as data center migration or migration of physical servers to virtual.