

Omkar Kulkarni

Pune, Maharashtra, India

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EDUCATION

Dr. D.Y. Patil Institute of Engineering Management & Research, Pune

Pune, India

Bachelor of Engineering - Artificial Intelligence and Data Science

Expected June 2024

- CGPA: 8.72
- Cloud & Open source Head at Computer Society of India (CSI)

TECHNICAL SKILLS

Languages: Java, Go, Shell Script

Core Technical Skills: Data Structures, Algorithms, Operating System, Computer Networks

Developer Tools: Linux, Git, Github, Docker, Kubernetes, Terraform, CI/CD

Databases: MySQL

Platforms: Amazon Web Services - IAM, EC2, Lambda, S3, ECR

CERTIFICATIONS

Certified Kubernetes Administrator (CKA)

The Linux Foundation - Aug 2023

EXPERIENCE

Data on Kubernetes Community (DoK)

Sept 2022 - Dec 2022

Intern

Remote

- Conducted in-depth research on various database systems and their deployment on Kubernetes.
- Delivered a well-received presentation on CI/CD pipelines as part of the DoK Explorers program

PROJECTS AND OPEN SOURCE CONTRIBUTION

REST API with MySQL deployed on top of Kubernetes | *Go, Kubernetes, MySQL*

Sept 2023

- Developed a scalable REST API using Golang and the Mux framework.
- Containerized the REST API with Docker & Orchestrated deployment on Kubernetes cluster for high availability and scalability.

Terraform-Driven AWS Infrastructure | *Terraform, HCL, AWS*

Oct 2023

- Leveraged Terraform to automate AWS infrastructure provisioning, enhancing efficiency and consistency.
- Streamlined the deployment of VPCs, subnets, EC2 instances, security groups, and internet gateways.

Open Source Contribution

- Actively contributed to open-source cloud-native projects, including Keptn, CNCF glossary, Kubernetes, and Docker-Slim.
- Enhanced the functionality and documentation of these projects, benefiting the broader cloud-native community.

AWS Cost Optimization with Lambda and Python | *AWS-IAM, EC2, Lambda, Python*

Sept 2023

- Developed a Lambda function to identify and delete orphaned EBS snapshots, reducing storage costs.
- Automated the identification and removal of unused snapshots, 95% optimizing resource utilization.

ACHIEVEMENTS & LEADERSHIP

Linux Foundation Scholar 2022

Aug 2022

The Linux Foundation

- Awarded the Linux Foundation Scholarship in the "Open Source Newbie" category
- selected among the top 1% of over 5,000 global applicants for demonstrating exceptional potential in open-source contributions.

Speaker at GopherCon India 2023

GopherCon India - Golang Conference

- Presented a well-received talk on the Kubernetes side project at GopherCon India 2023, showcasing expertise in Kubernetes and cloud-native technologies to an audience of over 300 attendees, including industry professionals.