

# VISHAL ANARASE

 @Civo | Kubernetes Member | Open Source | Golang

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7+ years of software development experience, involving software design, coding, testing, and debugging. Proficient in writing clean, efficient, and maintainable code using various programming languages and tools. Active participation in code reviews, providing feedback, and resolving technical issues. Responsible for writing high-quality, reliable, and performant software applications. Skilled in bug identification and fixing, as well as implementing automated testing frameworks and tools. Experienced in estimating project timelines, coordinating tasks, and ensuring timely deliverables.

## WORK EXPERIENCES

### Golang Developer

Civo, London | July 2021 - Present

Civo is building a flexible cloud platform created by developers, for developers. It's cloud native service provider powered by only kubernetes. Working on Civo's Control Plan Management and cloud native services Compute, Load Balancer, Object Storage, Databases

- Building RESTful API services, CLI clients and Kubernetes operators, daemons and drivers
- Stack - Golang, Docker, Kubernetes, Redis, MySQL, Etc

### Kubernetes Developer

Kubernetes | June 2022 - Present

Kubernetes (k8s), is an open source system for managing containerized applications across multiple hosts. It provides basic mechanisms for the deployment, maintenance, and scaling of applications. Contributing to the Kubernetes cluster autoscaler project is a valuable way to contribute to the Kubernetes ecosystem and help improve the scalability and efficiency of Kubernetes clusters.

- Kubernetes cluster autoscaler is a crucial component that dynamically adjusts the size of a cluster based on the current workload and resource demands.
- [Cluster Autoscaler for Civo Cloud](#)
- Stack - Golang, Docker, Kubernetes

### Senior Software Engineer

DDN Storage | Dec 2020 - June 2021

DDN is the world's largest private data storage company and the leading provider of intelligent technology and infrastructure solutions. Worked on RED(Reliable Elastic Data Service) Control Plan Management.

- Containerize various services and Deployment.
- Write clean,maintainable code for CLIA nd Backend (CRUD, RESTful API)
- Stack - Golang, Docker, Kubernetes

### Software Engineer

Diamanti | May 2017 - Dec 2020

Diamanti provides software solutions that solve challenges of container-based hybrid clouds for managing Kubernetes. Worked on Hyperconverged infrastructure appliance for performance and efficiency of bare-metal containers. Worked on Controlplane management features.

- K8s Cluster Migration, Cluster config backup restore, and same of the storage and networking controller.
- Stack - Golang, Docker, Kubernetes, Etc

### Software Engineer

One Convergence | July 2016 - April 2017

One Convergence provides a solution to simplify and automate delivery of rich set of multi-vendor and open-source L3-L7 network services for OpenStack cloud deployments. Worked on NSD(NetworkServiceDelivery) solution provides orchestration, lifecycle management, service assurance and visibility/monitoring for network services.

- NSD significantly enhances what is available in OpenStack FWaaS, LBaaS and other \*aaS with support for vendor specific features, licensing, high availability, service chaining.
- Stack - Python, OpenStack

### System Administrator

PUCSD | June 2015 - May 2016

Managing and maintaining the computer systems and networks within an Lab. Also responsible for the configuration, operation, and maintenance of hardware, software, and related infrastructure.

- System Setup and Configuration: Responsible for setting up and configuring the lab's computer systems, including servers, workstations, and networking equipment.
- User Account Management: Manages user accounts and permissions within the lab environment. This includes creating and configuring user accounts, assigning appropriate access levels.
- Collaboration and Support: Collaborate with other lab staff and researchers to understand their technical requirements and provide technical support.
- Documentation and Documentation: Maintain accurate documentation of the lab's computer systems, network infrastructure, configurations, and procedures.

## PROJECTS

### Kubernetes Cluster Autoscaler

Open Source

Cluster Autoscaler is a tool that automatically adjusts the size of the Kubernetes cluster. I have been majorly working for [Civo](#) cloude provider.

- [Cluster Autoscaler for Civo](#)

### Cloud Controller Manager

Open Source

The cloud-controller-manager is structured using a plugin mechanism that allows different cloud providers to integrate their platforms with Kubernetes. Implemented CCM inteface for Civo. This controller is installed in to Civo tenant clusters and handles the all operations related to Civo LoadBalancer

- [Kubernetes cloud-controller-manager for Civo](#)

### Percona Operators [MySQL, PostgreSQL]

Open Source

[Percona XtraDB Cluster \(PXC\)](#) is an open-source enterprise MySQL solution that helps to ensure data availability for applications while improving security and simplifying the development of new applications in the most demanding public, private, and hybrid cloud environments.

- [Configure HAProxy, HAProxyReplica, ProxySQL service as headless using service annotation](#)

[Percona PostgreSQL Operator \(PGO\)](#) PostgreSQL automates and simplifies deploying and managing open source PostgreSQL clusters on Kubernetes. Percona Operator for PostgreSQL is based on Postgres Operator developed by Crunchy Data.

- [Added support for custom user secret name](#)

## SKILLS

### Technical

Golang  
Kubernetes  
Kubernetes Operators  
Open Stack  
RESTful API | CLI  
Gorilla Mux | Gin  
Microservices | gRPC  
PostgreSQL | MySQL | Redis  
Linux | Git | Jira | Bash Scripting  
Object Oriented Design  
Design And Implement Database Structures

### Professional

Effective communication  
Team player  
Strong problem solver  
Good time management

## CERTIFICATIONS

Kubernetes and Cloud Native Associate (KCNA)  
  
Certified Kubernetes Administrator (CKA)  
  
Certified Kubernetes Application Developer (CKAD)

## EDUCATION

MSc in Computer Science  
University of Pune  
2014 - 2016  
  
BSc in Computer Science  
Modern College Pune  
2011 - 2014  
  
H.S.C in Science  
Pune Board  
2009 - 2011

## LANGUAGES

English (Professional)  
Hindi (Native)  
Marathi (Native)

## INTERESTS

Cloud Computing | Clustering  
Storage | Networking  
Linux internals  
Reading  
Photography  
Travelling