

Vivek Singh

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Professional Experience:

InfraCloud Technologies:

November 2018 – Till Now

- Working on a product (Kubnernetes Native) that enables backup, recovery and migration of stateful applications that are deployed on Kubernetes. As part of the team, I am responsible for end to end delivery of the features or bug fixes.
- One part of the above mentioned product is open source (Kanister), and I have made significant amount of contributions in that project and was responsible for releases as well.
- Implemented a function as a service platform on top of Kubernetes, for a large telecom company, which will process incidents through a set of functions and workflows to resolve infrastructure issues automatically. An open source project Fission was used to deploy the serverless workloads on top of Kubernetes.
- Interacted with Fission's development team for features and fixes and also made some significant contributions to the open source Fission platform.
- Have clear understanding of Operators and Controller and Go library to write Kubernetes native applications.

TechMahindra:

August 2014 – November 2018

- Worked on/Developed web based enterprise applications to fulfil TechM client KPN NL and also automated the deployment process in order reduce the time as well as human errors.
- A part from development team I also worked on Continuous integration and automating build and deployment process of the enterprise application that helped to reduce the deployment time of the application and reduced human errors.
- I worked closely with end users for this customer during my onsite assignment, when I was invited to work from onsite KPN NL.

Technical Skills:

Backend (Infra): Golang, Python, Containers, Kubernetes, Distributed Systems

Front End: HTML5, CSS3, Core JavaScript

Other Skills: Object Oriented Design, REST API Design, Microservices, AWS (EC2, RDS, Lambda, Elastic Beanstalk)

Interests: Container Storage, Distributed Systems

Education:

I completed my bachelor of engineering between 2010-2014 from Gyan Ganga Inst. of technology and sciences Jabalpur, which is an institute under Rajiv Gandhi Technical University, with Information Technology as major and 7.8 CGPA.

Other Projects:

yt.viveksingh.dev (YouTube):

I have a YouTube channel where I make videos about Container, Kubernetes, Go and Distributed systems.

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KuUI (GoLang, Javascript, Kubernetes):

Recently wrote a web application to manage Kubernetes resources, right now it just supports ConfigMap and Secrets.

Vibhi (Java, Servlets, JSP, Javascript, HTML5, CSS3):

A social networking service especially for societies.

Bethere (SpringBoot, HTML5, CSS3, Javascript)

A project to sync URLs between your computer and mobile device.

YourTiffins (Java, Servlets, JSP, Javascript, HTML5, CSS3):

It was an online tiffin service which let's users choose the type of meal they want in their tiffin by choosing one from available options.

Certification:

Certified Kubernetes Administrator (CKA-1900-003325-0100), Valid Till 09.29.2022

I have also made some significant contributions to some of the opensource projects the details about them and link to other project can be found by visiting the website viveksingh.dev.

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