

VIVEK SINGH

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PROFESSIONAL EXPERIENCE

InfraCloud Technologies

Lead Engineer - Product

The Hague, Netherlands

Nov 2018 - Present

- Leading the team that added the support, in the existing solution, to backup/migrate/restore KubeVirt Virtual Machines.
- Working on a Kubernetes native product that enables data management (snapshot, export and restore) and application mobility of stateful applications on Kubernetes. As part of the team I am responsible for end to end delivery of features development and bug fixes as well as leading a team of 4 people.
- Maintaining an open source CNCF project Kanister (<https://github.com/kanisterio/kanister/>), that helps users take application-aware backup of the databases deployed on Kubernetes.
- Implemented a function as a service platform on top of Kubernetes, for a large telecom company, which will process incidents through a set of serverless functions and resolve the infrastructure issues automatically. An open source project Fission (<https://github.com/fission/fission>) was used to deploy the serverless workloads on Kubernetes.

TechMahindra

Software Engineer

Pune, India

Aug 2014 - Nov 2018

- Developed web based enterprise application to fulfil customer's requirement and also automated the build and deployment process in order to reduce deployment time and minimise human errors.

TECHNICAL SKILLS

Backend: Go, Containers, Kubernetes, Distributed Systems, Python, Java
Frontend: HTML5, CSS, Core JavaScript
Other Skills: Object Oriented Design, REST API Design, Microservices
Interests: Container Storage, Distributed Systems

PERSONAL PROJECTS

Akcess Go, Kubernetes

<https://github.com/viveksinghggits/akcess>

An open source project to share fine-grained access of your Kubernetes cluster with others, temporarily.

Youtube Channel

<https://youtube.com/@viveksinghggits>

A YouTube channel where I make videos about Containers, Kubernetes, Go and Distributed Systems. Apart from covering the Containers and Kubernetes development topics, I also wrote a dummy CSI plugin (<https://github.com/viveksinghggits/bsos>) for DigitalOcean.

Brings Go, JavaScript, HTML, CSS

<https://bringsapp.com/>

A web application that can be used to request someone, traveling between two locations, to bring your parcel.

YourTiffins s Java, Servlet, JSP, JavaScript, HTML, CSS

An online tiffins service which lets users choose their meal, from a set of options, before placing an order.

Vibhi Java, Servlet, JSP, JavaScript, HTML, CSS

A social networking application designed especially for residential societies.

EDUCATION

Gyan Ganga Institute of Tech. & Sciences

Jabalpur, Madhya Pradesh, India

Bachelor of engineering Information Technology GPA: 7.8

2010 - 2014

CERTIFICATIONS AND TALKS

CKA (Certified Kubernetes Administrator)

The Linux Foundation

CKA-1900-003325-0100, Valid untill 29.09.2022

Cloud Native Rejekts (Talk)

<https://youtu.be/9kWCax2hKww>

Dynamically Provisioning Volumes With Pre-Existing Data | Magic Behind Kubernetes Volume Populators