Vivek Singh

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Professional Experience

InfraCloud Technologies — The Hague, Netherlands
Lead Engineer - Product — Nov 2018 - Present

- Lead 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 — Pune, India
Software Engineer — 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

Other Projects (Personal)

Akcess *Go, Kubernetes* — https://github.com/viveksinghggits/akcess
An open source project to share fine-gained 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 wrote a dummy CSI plugin (https://github.com/viveksinghggits/bsos) for DigitalOcean.

Brings *Go REST APIs, JavaScript, HTML, CSS* — https://bringsapp.com
A web application that can be used to request someone, traveling between two locations, to bring your parcel.

Kreate *Go, JavaScript, HTML, CSS* — https://github.com/viveksinghggits/kreate
An open source project for creating Kubernetes resources that "kubectl create" doesn't support.

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