

Vivek Singh

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Work Experience:

InfraCloud Technologies:

November 2018 – Till Now

- Working on a product (Kubernetes 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 also.
- 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.

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.

Relevant Coursework:

C, Data Structures and Algorithms, Computer Networks, Operating Systems

Independent Coursework:

Unix Operating System, Web application architecture

Other Projects:

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.

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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.

There are some other side projects and OpenSource contributions that I have made/created, details about them can be found at <https://github.com/viveksinghggits>.

Technical Skills:

Front End: HTML5, CSS3, Core JavaScript

Backend (Infra): GoLang, Python, Java, Docker, Kubernetes, Elastic, Kafka,
Understanding of Cloud Native tech on different cloud providers (AWS, GCP)

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

Interests: Serverless, Distributed Systems, Authentication/Authorization or Web apps

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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