Karanjit Singh

Contact No: 9036765664**,** Email:-karan.parhar90@gmail.com

Career Objective

To work in a firm with a professional work driven environment where I can utilize and apply my knowledge.

Professional Experience   Total Experience 6.5 Years

- Currently working at **Kloud9 Technologies,** Bengaluru as **Software Developer** from March 2018 to present**.**

- Worked in Flipkart as SRE from November 2015 till March 2018.

- Worked in Brocade Communication System as System Engineer from April 2015 till November 2015.

- Worked in Suksh Technology Pvt. Ltd. as System Engineer from January 2013 to April 2015.

Professional Summary

- Developing API-driven microservices that combine into large and complex platforms.
- Design and develop robust services that are in coordination with frontend developers ensuring the production and development of a high-quality and well-tested code
- Building and managing automated build/test/deployment environments
- Design, develop and implement unit and scenario testing for existing code base and for new functionality under development
- Worked the REST APIs for Kubernetes, Jenkins, Google cloud
- Worked on Kubernetes Custom Resource Definitions
- Worked on operator to collect metrics from Kubernetes
- Working on Deployment tool which helps to automate deployment to GCP, AWS, Openshift, Kubernetes
- Experience with Scrum/Agile development methodologies
- Solid understanding of the Software as a Service (SaaS) model in the online environment

Project Details

1. **Project** : Multi Cloud continuous delivery platform
   Organization : Kloud9 Technologies
   Technology : Golang, Mux framework, Mongodb
   Role : Golang Developer
   Operating System : Docker, Kubernetes

Description: Deploy across multiple cloud providers including AWS EC2, Kubernetes, Google Compute Engine, Google Kubernetes Engine, Google App Engine, Openshift. Create deployment pipelines that run integration and system tests, spin up and down microservices, and monitor your rollouts. Trigger pipelines via Jenkins.

RESPONSIBILITIES:
- Creating the REST APIs for Kubernetes, Jenkins, Google cloud
- Implement JSON Web Tokens (JWT)
- Implement Role Based Access Control (RBAC)

2. **Project** : AI Driven Infrastructure
   Organization : Kloud9 Technologies
   Technology : Golang, Mux framework, Mongodb
   Role : Golang Developer
   Operating System : Docker, Kubernetes

Description: Analyze the data pattern, demand trends and predict the infrastructure requirement which indicates the behavior of the system. Deploy the necessary resources as per workload requirements. De-allocating the resources when they are not needed anymore. Configure the infrastructure components.

RESPONSIBILITIES:
- Worked on Kubernetes Custom Resource Definitions
- Worked on operator to collect metrics from Kubernetes

3.	**Project**	:	Bare Metal Monitoring
	Organization	:	Flipkart Internet Pvt. Ltd
	Technology	:	Golang, Mux framework, JavaScript, MySQL
	Role	:	Golang Developer
	Operating System	:	Linux

Description: This web application usages the Intelligent Platform Management Interface (**IPMI**) for hardware health monitoring and management system that defines interfaces for use in monitoring the physical health of servers, such as temperature, voltage, fans, power supplies and chassis.

RESPONSIBILITIES:

- Developed and designed the web application.
- Rest API development using Golang.
- Created and consumed restful services.
- Used Intelligent Platform Management Interface (**IPMI**) for hardware health monitoring.

4.	**Project**	:	Live capacity planner and management tool
	Organization	:	Flipkart Internet Pvt. Ltd
	Technology	:	Golang, Mux framework, JavaScript, MySQL
	Role	:	Golang Developer
	Operating System	:	Linux

Description: This application is used to Create Live Capacity Dashboard to monitor total capacity availability and usage. This monitor the Capacity based on all the virtual machine types available in Resource manager.

RESPONSIBILITIES:

- Developed and designed the web application.
- Used MySQL database queries to fetch the machine details, availability and usage.

Skills

- Programming Languages : Go, Python
- Containerization : Docker, Kubernetes
- Architecture : Microservices
- Version Control System : Git
- Platform : Google Cloud Platform, Private Cloud
- Databases : Mongodb, MySQL
- Schema Languages : Kafka (stream-processing software)

PERSONAL PROFILE

- Date of Birth   :   20 July 1990
- Sex   :   Male
- Nationality   :   Indian
- Languages Known   :   English, Hindi, Punjabi
- Marital Status   :   Single
- PAN   :   DF0PK9058G
- Passport No.   :   P4242803
- LinkedIn   :   https://www.linkedin.com/in/karanjit-singh-78b33a129/
- GitHub   :   https://www.github.com/karanparhar
- Personal Website   :   https://www.karanparhar.github.io

Education

- B.Tech. (Electronics & Communication Engineering) from Punjab Technical University

DECLARATION

I do hereby declare that the above information is true to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Date: 07.08.2019

Place: Bengaluru, Karnataka   (**Karanjit Singh)**