

Imran Pochi

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Summary

- Freelancer / Independent Contractor
- Certified Kubernetes Administrator (CKA)
- Contributor to opensource project [libopenstorage/openstorage](#)
- Well versed with container ecosystem of container orchestration
- Well versed with Agile and Devops principles and practices
- Well versed in Continuous Integration using Jenkins.
- Proven ability to juggle multiple clients and deliver results on time.
- Hands-on in all areas of SDLC lifecycle.
- Possessing enterprise background with development in Java for Flex PLM used in Retail Footwear Apparel industry.
- Independent worker, quick and agile learner as demonstrated by working remotely from Bangalore.
- A1 Level fluency in German language.

Skillset

Below are the mentioned skills acquired by actively working on these tools/processes throughout my experience.

Golang , Docker, Linux, Kubernetes, REST

Professional Work Experience

Freelancer	Bangalore, India	January 2019 – Till Date
Freelancer/ Contractor		
Client – 1 [Enterprise Kubernetes Managment Client] [ongoing relationship] Evaluation of Backup and Restore Solutions in Kubernetes for workloads on Kubernetes. Recommended the solution of open source project of Heptio's Velero [previously named Ark] Configuring / Installing and operating Heptio's Velero in different Kubernetes environments such as Upstream Kubernetes, Rancher, AKS, GKE and Digital ocean with different use cases.		

Evaluate feasibility of moving stateful workloads and data from one cloud provider to another.

Evaluation of LTS solutions for Prometheus monitoring for integration with the client's product.

Configuring/Installing and operating solutions such as Thanos, Cortex, M3, TimescaleDB, Influx DB with various use cases across multiple Kubernetes clusters. Suggesting of an LTS solution after considering the pro's and con's of each solution.

Evaluation of various authentication and authorizations strategies for the client's product such as webhook based [kubehook], OIDC based [Appscore, Dex]

Development of a custom POC [golang cli based client app, not web based like Gangway] that takes credentials from user passes it off to Dex with LDAP connector configured for authentication.

Receives a token which can be configured in kubeconfig for cluster access via kubectl

Client - 2 [German based Kubernetes Consultancy client] [ongoing relationship]

Managing and Operating Client Kubernetes rancher clusters.

Developed slack app in golang using nlopes/slack library for daily status updates via slack.

Installing / Configuring and operating various open source container storage solutions such as OpenEBS, Rook+Ceph.

Studying up German A1 and advanced levels to become more involved with German clients.

Client - 3 [Mobile chat messaging app for gamers for clan recruitment] [4 months]

Developing REST API's in golang using Gin framework

Integrating SendBird API's with backend for real time chat

Used JWT for authentication, redis for session.

Used mgo library to interface with MongoDB database

Senior Software Engineer	Pune / Bangalore, India	October 2017 – December 2018
InfraCloud Technologies		
<p>Client – 1 [Container security client]</p> <p>Developing an end-to-end pipeline of development and deployment of cli app for bench marking the overhead of using the container security product of client [with and without the product].</p> <p>Used Cobra framework for the cli , gonum/plot for generating plot artifacts, vegata for exercising the application and docker stats api for getting cpu and memory usage metrics.</p> <p>Client – 2 [Container native software defined storage client]</p> <p>Developing cli app to automate container native storage tests on Kubernetes.</p> <p>Writing storage and integration tests in golang</p> <p>Pitched in manual testing of the product with container orchestrators when shortage of hands.</p> <p>Developed a UI automation test framework using Golang and Agouti library.</p> <p>Client – 2 [Client product focussed on MicroVMs]</p> <p>Part of 2 member team to develop a custom linux image bootstrapped with clients product ready for installation to other linux machines. End result is a custom linux live-cd.</p> <p>Application developed using shell script and dialog windows.</p> <p>Linux image building using Debian's live-build.</p> <p>Analogy – Using an Ubuntu live-cd and installing the Ubuntu operating system. Instead the custom live-cd installs clients product.</p>		

Implementation Consultant	Bangalore, India	Sept 2016 – Oct 2017
ITC Infotech		
<p>Customizing the server side Flex PLM application for the client across multiple modules such as Product , Colorway , Costsheets , Material Supplier , Sample Management using Java , client side customization of FlexPLM using JSP</p> <p>Major customization of the entire Calendar Management module.</p> <p>Multiple data extractions from the PLM system to XML using JAXB library.</p> <p>POC to dockerize the FlexPLM application</p>		

Software Engineering Analyst	Bangalore, India	Nov 2014 – Sept 2016
Accenture		
<p>Extensive server side customization experience of Flex PLM modules such as Vendor Management , Bill of Materials , Costsheets , RFQ , Product and Colorway using Java.</p> <p>FlexPLM vendor integration to consume the XML data sent by SAP via Mule as a REST web service</p>		

Software Intern	Bangalore , India	Jan 2014 – June 2014
eBay India		
<p>Internal project on Mobiles category to provide insights as to which products are sold at a lesser price across competition.</p> <p>Data grabbed from in-house webcrawler system to MongoDB instance using Scala / Scoobi , indexed using Elastic search , find out the cheaper listings across competition and publish the findings to category managers every day. All of the application cobbled up using Grails Framework using Groovy as the language.</p>		

Community contribution & self learning

Installing Prometheus operator to monitor application on Kubernetes
<https://www.infracloud.io/monitoring-kubernetes-prometheus/>

Setup of Kubernetes cluster using KOPS and Kubespray on AWS.
<https://www.infracloud.io/monitoring-kubernetes-prometheus/>

My Exploration around Backup and Restore using Heptio's Velero
<https://blog.kubernauts.io/@pochiimran>

Contributions to opensource project "libopenstorage" by writing unit and integration tests in ginkgo.
Writing gRPC APIs for openstorage SDK [<https://libopenstorage.github.io>]

Evaluating different backup solutions for Kafka backup to S3 using KafkaConnect.

Developing Mule based containerized application using blue green builds in Jenkins for deployment in Kubernetes using Helm charts.

Preparation and practice on minikube for preparation of Certified Kubernetes Administrator certification which was successfully cleared in November 2018

Educational Background:

Bachelor of Engineering (Information Technology) from Lovely Professional University, Punjab.
(July - 2014)

Awards:

Spot Award - ITC Infotech
Apr 2017

ACE Numero Uno Award - Accenture
Jan 2016