1.**Programming languages**

Java \*\*\*\*

Python \*\*\*

Scala \*\*\*

Groovy \*\*\*

Go

R

Nodejs \*\*\*

.Net \*\*\*

Angular js

React js

2.**Server Administration**

**Windows**

**Linux :**

Debian

Ubuntu \*\*\*

Red Hat Enterprise Linux \*\*\*

CentOS \*\*\*

Fedora

OpenSUSE

**Unix :**

Oracle Solaris

IBM AIX

HP-UX

3.**Network and Security (Tcp/Ip Fundamentals) and Protocols**

SSH \*\*\*

DNS

HTTP

HTTPS

FTP \*\*\*

NFS \*\*\*

DHCP

SAMBA

SMTP

SSL

TLS

SquirrelMail

NTP

4.**Servers**

**Webserver :**

Apache \*\*\*

Nginx \*\*\*

Tomcat \*\*\*

Jetty

Jboss

IBm websphere

Oracle weblogic

**Cache :**

Redis \*\*\*

Memcache

Neo4j

**Databases**

**Sql :**

Oracle

Mysql \*\*\*

Postgresql \*\*\*

Mariadb

Derby DB

Mssql server \*\*\*

**Nosql :**

Mongodb \*\*\*

Cassandra \*\*\*

Dynamo db \*\*\*

Google Datastore

5.**Infrastructure as code**

**Configuration management :**

Ansible \*\*\*

Puppet

Chef

Saltstack

Openshift

**Container :**

Docker \*\*\*

Rkt

Lxc

**Container Orchestration :**

K8s (eks,minikube,aks,gke,kubeadm,kops,Rancher K3\*\*\*

Openshift

Nomad

Docker swarm \*\*\*

**Infrastructure Provisioning :**

Terraform \*\*\*

Aws Cloud formation \*\*\*

Azure template

Google Deployment manager

6.**CI/CD**

Jenkins \*\*\*

Travis CI

Circle CI

Gitlab CI \*\*\*

Teamcity

Aws Code pipeline \*\*\*

Google Codebuild

Github action \*\*\*

Bitbucket pipeline

Bamboo

Codefresh

7. **Monitoring and Logging**

**Monitoring :**

Zabbix

Nagios

AWS Cloud watch \*\*\*

Promotheus \*\*\*

Grafana \*\*\*

Datadog

Newrelic

Checkmk

**Logging :**

Elk (Elastic Search Logstash Kibana) \*\*\*

Splunk

Graylog

Fluentd \*\*\*

8.**Cloud Platforms**

Aws \*\*\*

Azure

Google Cloud platform

Openshift

All cloud ( auto cloud )

IBm bluemix

PCF

9.**Source Code Management**

Git \*\*\*

Svn

Bitbuket

Gitlab \*\*\*

10. **Build tools**

Maven \*\*\*

Gradle \*\*\*

Ant

11.**Repository Managers**

Nexus \*\*\*

Jfrog \*\*\*

12.**Code Quality tools**

Sonarqube \*\*\*

Checkstyle

Pmd

13.**API testing tools**

Postman

SoapUI

Apigee

Rest Assured

Jmeter

14.**Scripting Languages**

Shell Script \*\*\*

Power shell

Python Scripting \*\*\*

15.**Message Broker**

Active MQ \*\*\*

Kafka \*\*\*

Rabbitmq \*\*\*

16.**Python Modules to Manage aws infrastructure and Run Docker images**

Boto

Boto3 \*\*\*

lxml

Docker.py \*\*\*

17.**Gitops Continuous Deployment for cloud native applications**

FluxCd \*\*\*

Argo CD \*\*\*

Gitkube

Jenkins X \*\*\*

Terragrunt

WKSctl

Heml operator

Werf

18.**Muitl-Cloud Continuous Deploy / Muitl-Cloud CI-CD pipelines**

Spinnaker \*\*\*

Aws Code Deploy \*\*\*

Octopus deploy

Code fresh

19.**Linux Utlity tools / Aws**

Curl

Wget

Aws cli

jenkins cli

tar/untar

zip/gunzip

awk

sed

cut

tr

head

tail

find

locate

ls/ll

grep

ifconfig

netstat

ping

pip

service/systemctl

editors vi,vim,nano

20.**Integrated Development Environment tools to write python script or terraform code**

Visual Studio code \*\*\*

STS \*\*\*

Eclipse

Lens ( K8s IDE for Development)

21. **Identical Machine Images / Virtual Machine Images**

Vagrant \*\*\*

Packer \*\*\*

22.**Secrets Management tool**

Hashicorp vault \*\*\*

Aws secrets manager \*\*\*

Azure key vault

Docker secrets

Knox

Akeyless vault

23.**Open Source distributed Microservice based**

Hashicorp Consul

Istio service mesh

Zuul

Jersey

Azure Service Fabric

Netflix OSS

Express Gateway

Apigee

AWS App Mesh

Envoy

Conduit

Linkerd

Kuma

Apache ServiceComb

Network Service Mesh

Openshift Service Mesh by Redhat

NGINX Ingress Controller

Autopilot

Kong

OSM ( Open Service Mesh)

Layer5

Gloo Mesh

APISIX

24.**Incident and Change management tools**

BMC Remedy

Servicenow

Jira

TFS (Team Foundation Server )

25.**Open Source LoadBalancer tools**

Nginx \*\*\*

HAProxy \*\*\*

Envoy

Traefik

Aws Load Balancer (ALB) \*\*\*

Seesaw

Load Master by Kemp

Zevenet

Neutrino

Pen

Go Between

***Tools Specific to Kubernetes***

26.**K8s Development tools**

Skaffold

DevSpace

Draft

RedHat CodeReady

Microsoft Bridge

27. **Kubernetes Security Vulnerability Scanners**

Kube-bench

Kube-hunter

Kubeaudit

Kube-scan

Kubesec

Kube-score

KubiScan

Krane

Twistlock

Illuminatio

28.**Kubernetes YAML Validation Tools**

Conftest

Kubeval

Copper

Kubevious

Config-lint

KubeLinter

KubeLibrary

Kube-score

29.**Kubernetes Application Performance Monitoring Tools**

Datadog

Jaeger

ELK

Grafana

Kubernetes Dashboard

New Relic

Promotheus

Sematext

Weavescope

cAdvisor

30. **K8s Cluster Management**

kubespray

kops

Kube-ops-view

Kubeprompt

Metalk8s

kind

Clusterman

Cert-manager

Goldilocks

katafygio

Sealed Secrets

OpenKruise/Kruise

kubectl snapshot

Kubernetes Job/CronJob Notifier

Kubernetes Janitor

Grafana Tanka

KubeDirector

31. **K8s Cluster with core CLI tools**

Bootkube

kubectx + kubens

kube-shell

kuttle

kubectl sudo

K9s

Ktunnel

Kubemqctl

kubectl-aliases

go-kubectx

mkubectx

32. **Alert and Monitoring**

Thanos

Prometheus

Grafana

Kubetail

Searchlight

linkerd2 Monitoring Mixin for Grafana

kuberhaus

Kubernetes Job/CronJob Notifier

Argus

33. **Logging and Tracing**

Jaeger

Kiali

ELK

fluentbit

Loki

**34. Troubleshooting**

Kubectl-debug

PowerfulSeal

Crash-diagnostic

K9s

Kubernetes CLI Plugin - Doctor

Knative Inspect

Kubeman

kpexec

35. **Developement Tools/Kit**

Okteto:

Tilt:

Garden:

KuberNix

Copper

ko

Dekorate

Lens IDE The Kubernetes IDE

Kosko

Telepresence

Monokle

36. **Alternative Tools for Developement**

Minikube

KubeSphere

skippbox

kind

k3d

37. **CI/CD integration Tools**

HybridK8s Droid

Devtron

Skaffold

Apollo - Apollo

Helm Cabin

flagger

Kubeform

Spinnaker

werf

Flux

Argo CD

Tekton

Jenkins X

KubeVela

ksonnet

CircleCI

38. **Security Tools**

TerraScan

klum

Kyverno

kiosk

kube-bench

kube-hunter

kube-who-can

starboard

Simulator

RBAC Lookup

Kubeaudit

Gangway

Audit2rbac

Chartsec

kubestriker

Datree - CLI tool to prevent K8s misconfigurations by ensuring that manifests and Helm charts follow best practices as well as your organization’s policies

Krane

Flaco

Clair

Anchore Cli

Project Quay

39. **Network Policies**

trireme-kubernetes

Calico

kubepox

kokotap

Submariner

egress-operator

kubefwd (Kube Forward)

40. **Testing Tools**

k6

Network bandwith and load testing

test-infra

kube-score

Litmus

PowerfulSeal

kube-burner

kube-monkey

conftest

41. **Service Mesh**

Istio

Traefik

NGINX Ingress Controller

Autopilot

linkerd-config

Kong

OSM - Open Service Mesh (OSM)

Layer5

Gloo Mesh

APISIX

**42. Observability**

Kubespy

Popeye

Stern

Cri-tools

Kubebox

Kubewatch

kube-state-metrics

Sloop

kubectl tree

chaoskube

BotKube

Kubestone

Chaos Mesh

Lemur

kubernetes-event-exporter

Kubevious

43. **Machine Learning/Deep Learning**

Kubeflow

Volcano

44. **Compute Edge Tools**

KubeEdge

Kubeless

45. **Kubernetes Tools for Specific Cloud**

Kubernetes on AWS (kube-aws)

Draft:

helm-ssm

Skupper

46. **Storage Providers**

ChubaoFS

Longhorn

OpenEBS

Rook

SeaweedFS

TiKV

velero

Vitess

kaDalu

47. **Multiple Tools Repo**

Chaos Toolkit Kubernetes Support

k14s

Pulumi

48. **Non-Categorize**

Rudr

Keel

Cabin, the mobile app for Kubernetes

Funktion

Alterant

BUCK

kube-fledged

Kubecost

kpt

capsule

**49. Top Open Source API Gateways and Management Tools**

Kong Gateway

Apache APISIX

Tyk

Ocelot

Goku API Gateway

WSO2 API Microgateway

Express Gateway

Gloo Edge

KrakenD

Fusio

Gravitee.io API Platform

Apiman

API Umbrella

Apigee

Cloud Endpoints

Amazon API Gateway

Azure