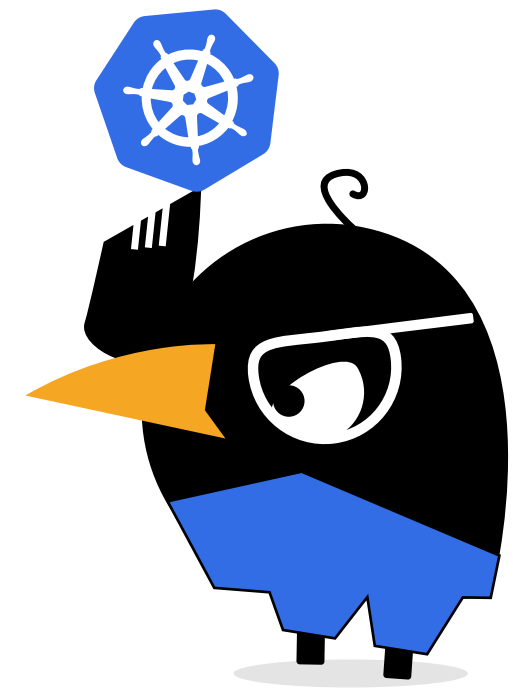**KUBERNETES CHEAT SHEET:**

DEBUGGING YOUR KUBERNETES SERVICES

v0.1

What are the important Kubernetes commands or resources?

```
$ kubectl explain
```

Did something weird happen when your pod deployed?

```
$ kubectl get pods
$ kubectl describe pods my-pod
```

Check the logs

```
$ kubectl logs my-pod                          # dump pod logs (stdout)

$ kubectl logs my-pod -c my-container          # dump pod container logs
                                               (stdout, multi-container case)

$ kubectl logs -f my-pod                       # stream pod logs (stdout)

$ kubectl logs -f my-pod -c my-container        # stream pod container logs
                                               (stdout, multi-container
                                               case)
```

Interactive debugging

```
$ kubectl run -i --tty alpine --image=alpine -- sh    # Run pod as interactive shell

$ telepresence                                        # create local shell that connects to
                                                      remote cluster with telepresence.io

$ kubectl attach my-pod -i                            # Attach to Running Container

$ kubectl port-forward my-pod 5000:6000               # Forward port 6000 of Pod to
                                                      your to 5000 on your local
                                                      machine
$ kubectl exec my-pod -- ls /                         # Run command in existing
                                                      pod (1 container case)

$ kubectl exec my-pod -c my-container -- ls /         # Run command in existing pod
                                                      (multi-container case)

$ kubectl top pod POD_NAME --containers               # Show metrics for a given pod
                                                      and its containers
```