Haptik Task

Hi, below is a set of 3 questions which is part of the process for a DevOps role. The below tasks need to be done on a virtual machine. There are a bunch of cloud service provides like AWS, Azure etc that provide free VMs. Please try and use them to get these tasks done. If you cannot get a free VM please let us know as soon as you get the assignment so that we can provide one to you. Once you have done that please provide us with the details of your instance.

If you are not familiar with any of the technologies do let us know and we can provide a substitute technology that you can use.

You get 24 hours to complete this assignment. Good luck and feel free to reach out to us in case you have any questions. Looking forward to seeing your answers.

1. Setup Kubernetes & Deploy a simple Tomcat Application via Nginx Ingress controller. Have at least 2 application pods running. Please have readiness and liveliness probes. (Kubernetes can be minikube for now on a Linux machine, K8s files can be shared with us. It can also be done on a cloud VM and details can be shared)

2. Put monitoring for the above setup on 3 important data points you think are relevant for the above application on Kubernetes. (Choose any tool, eg. Prometheus)

3. Add filebeat daemon set to the current setup so that it can read application logs from the pod.

Bonus
Once you have the Filebeat daemon running, push the application logs please also push the logs to an ELK 7.x stack deployed on the same VM.