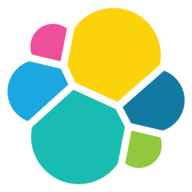


**Welcome to the home assignment for the DevOps engineer position at BlueVine**

This assignment purpose is to test your technical approach and attitude

1. Create a simple web application with the following components:
   1. **Backend** - could be created using any high level language of your choice
   2. **Proxy / Load balancer** - a simple router to serve requests to the backend service, you may choose any solution to create it such as Nginx, Apache2 , etc….
2. The **Backend** service should return a simple page with “Hello world!“ in it upon receiving requests on the root page
3. Deploy partial Elastic ([Free and Open Search: The Creators of Elasticsearch, ELK & Kibana | Elastic](https://www.elastic.co/)) stack deployment with:
   1. Elasticsearch (Database)
   2. Kibana (Dashboard)
4. The **Proxy / Load balancer** will redirect the traffic by the following:
   1. <http://yourdomain/> → point to your application (**backend**)
   2. <http://yourdomain/kibana/> → point to the **Kibana** service
5. Send the application (**backend**) logs to [Elasti](http://elastic.co/)csearch in a way of your choice

6. Discover the logs with Kibana  
7. Create a public repository (on Github/Gitlab…etc) , push you solution/code to it.

**TIPS:**

* You can send logs with code or with 3 party application
* You can use any infrastructure to your solution (docker,compose,kubrenetes…etc)

Good luck!