

**Below is the written test for Bongo's Site Reliability Engineer position. Please read through the entire test before starting to write it.**

Q. Certain web pages are loading slow in user's browser for our live web application. What steps will you take to resolve the issue?

Q. Imagine a scenario where a web application is serving from a single web server to the internet. What are the problems in this scenario? Design and architect a solution that will mitigate these problems? Or How would you design a scalable architecture with resiliency in mind for the following situations:

- a. if a service is resource intensive
- b. a service needs to be low latency
- c. if parts of a service need to be restricted to certain geographical boundaries

Q. Currently there's no monitoring in place for the above single web server. How and what application will you use to monitor the resources/process in your new design?

Q. In our server we want to create a user who can only view logs using `less` from this path `/var/log`. Please explain how to achieve this.

Q. Explain how you can ssh into a private server from the internet.

Q. Write a bash function that will find all occurrences of an IPv4 from a given file.

**Submission:**

- 1) Implement solution for these problems.
- 2) Upload to github/bitbucket or any other code sharing platform.
- 3) Send an email to [hr@bongobd.com](mailto:hr@bongobd.com) with subject "Bongo SRE Test" with your code repository URL in the email body.

If you have any questions, please send them to [matt@bongobd.com](mailto:matt@bongobd.com) with a subject line of "Questions on Bongo SRE Test".