TECHNICAL ASSESSMENT

The purpose of the assessment is to evaluate that the candidate has the fundamental technical ability to be successful as a Developer at Entersekt.

Instructions

1. Write a small little cross platform program in Java 8 that exposes a RESTful interface on port 8080 and allows a client application to do only one thing: obtain the full directory listing of a given directory path on the local filesystem. Include the full path, file size and attribute information in the result and cater for a directory size of at least 1 000 000.

2. Refer to https://www.docker.com/what-docker and https://docs.docker.com/engine/reference/builder/. Create a *Dockerfile* that will allow one to use the *"docker build"* command on a Linux or Mac OS X machine to create a container distribution of your program.

Guidelines for submission

- We recommend making use of the openjdk base image at https://hub.docker.com/_/openjdk/ to derive your Dockerfile from.

- Add a README.md file with the necessary steps on how to compile your program, build the container, run it and then consume your little REST service.

- Submit the source code along with build instructions to your personal account on https://github.com/ or https://bitbucket.org and email the URL to hannes@entersekt.com (GitHub: hannesdejager). If you don't have an account create one – it's free.

- The cut-off time for your submission is **10am on the 18th of September 2017**.

- You may leverage any resources at your disposal to complete the project but you may not outsource your work.