Before interview we would like you to do small test task:

"Gas & Water Usage Monitoring Application"

Create an application to monitor gas, cold and hot water usage. No UI needed, only REST API. Two REST API methods should be implemented: one for submitting the current measurements for a given user, other for getting the history of previously submitted measurements for a given user. User inputs should be validated to reject incomplete or invalid data.

Technical Requirements

1. Use Java 1.8, Spring Framework and Maven.
2. Use other Java libraries as needed.
3. Use HSQLDB for storing data. It is ok NOT to persist data across application launches.
4. Try to follow all the good principles of writing high-quality and testable code. Use Swagger to describe REST. When creating a database, do not forget about indexes, etc., etc.
5. Fill in missing requirements as you feel suitable.
6. Include a short README file describing how the application works and how to build and run the project.

The approximate time to complete this sample task is 6 hours. Focus on the most essential features first. It is fine to leave TODOs in places across the code, where a certain feature is missing, but you would have implemented it if you had more time. Package the final project into a ZIP archive and send to evgeny.drobyshev@offsidegaming.com