WATCHSHOP

Software Engineer Technical Test

This test is designed to evaluate your programming, coding style and full stack capabilities. We will assess not only the functionality of the result, but also the approach taken in the development process, the speed and security of the provided solution.

Task:

1. Register a new domain with the word "library" in it – TLD of your choice
2. Configure the domain on a LAMP stack server
3. Create the required tables and add their content as in the attached file *library.sql*
4. Use a versioning system for the project - preferable GIT
5. Build an API using PHP / MySQL for a simple library application with the following functionality:
    a. List books
    b. List books by category
    c. Get book data by name/ID
    d. Updates and deletes – optional

Once the task is complete the API should be fully working for us to test on the new domain and review the code.

We're happy to reimburse your expenses in relation with the domain registry or the hosting solution of your choice up to £20.00, based on you providing receipts for all the spent amount.

Hints:

- Avoid frameworks. This task is to demonstrate your understanding and ability to build simple effective raw PHP applications;
- We have not added any indexes or relations to the tables; you can modify them to demonstrate your MySQL knowledge, but it's not required.

If you have any questions, feel free to contact us either by email at it-recruitment@watchshop.com or by phone at 0118 647 1287.