

Technical Challenge – Internships at Workhuman

Technical Challenge:

Create a small web application using your own choice of Frontend and Backend technologies.

This application should display a list of countries, including a text input field for searching. You should be able to provide a string in this input field, run a search on the list of countries, and return those which match your input. For example, searching for "eden" should return "Sweden" in the new list, and searching "united" should return "United States of America" & "United Kingdom" in the new list. The search functionality should be case insensitive (e.g "ireland" should return "Ireland" in the new list).

Your application Frontend and Backend must interact, in a typical Request-Response model.

The list of countries is provided below - and should be stored in some persistent layer that the Backend can access (e.g SQLite database, some appropriate data structure, etc.).

On the day of the interview, we will ask you to do the following:

- Run the application locally, showcasing its functionality and your implementation.
- Explain some of the technical choices you made (choice of Frontend/Backend technologies, how you persisted list of countries and why, etc.)
- Discuss some potential areas of improvement (design, performance, etc.)

There is no limitation on the use of Google, Stack Overflow, etc. to research and develop this application.

Technical Challenge Data (list of countries):

- Albania
- Andorra
- Australia
- Brazil
- Belgium
- Canada
- China
- France
- Germany
- India
- Indonesia
- Ireland
- Italy
- Japan
- Kenya
- Luxembourg
- Mexico
- New Zealand
- Nigeria
- Portugal
- Russia
- South Africa
- South Korea
- Spain
- Sweden
- Thailand
- Ukraine
- United Kingdom
- United States of America
- Vietnam
- Zambia