Technical Proficiency Evaluation

Problem Statement

As a healthcare practitioner I find it challenging to search for the correct diagnosis codes needed when creating a medical claim. In addition to this, I forget what medical aid rules apply when using specific diagnosis codes.

Solution

Create a web frontend and RESTful service backend application that will make it easy for me to search diagnostic codes.

Requirements

- Create a .NET Core application makes use of the WHO's ICD11 search API to process search requests.
- Create an Angular web application that will be the frontend for the .NET Core application

General

If your strength lies in frontend development keep your backend searches simple and "wow" us with how you display the results. A few ideas would be to incorporate tables, loading bars etc.

If your strength lies in backend development "wow" us with your use of WHO's ICD11 search API and how you optimize the searching.

The code architecture is of very important to us.

Outcomes

This task description is intentionally vague. There are many ways in which you can showcase your skills whether it be making beautiful frontends with great widgets or making a backend

that is fast, efficient and well-engineered. The key outcome is to see how you handle being given a vague task and how you "go the extra mile".

Communication is a critical competency. Whilst presenting your solution, be sure to talk us through the thought process and design considerations encountered during this exercise.

Bonus

South African Medical Aids have rules around how certain ICD11 codes should be used and using this to improve issues mentioned in the problem statement, would be beneficial.

Coding goes beyond just lines on a page and there are other qualities of developers that separate the good from the great. Hint: Check out Bob Martin, Kent Beck, and Martin Fowler.

Summary

The role that we are hiring for requires a higher level of self-management or project management. Showcase your ability as a project manager.

Good luck, can't wait to meet you face to face!