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Lead Software Engineer

Technical Exercise

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Overview

Everflow invites candidates for the Lead Developer role to undertake a technical exercise. This is where you will get to illustrate your passion for Engineering Excellence.

Objective

We want you to show how you would apply Engineering Excellence practices in a Product-led environment where software is delivered to Agile norms. Ultimately, we want you to provide us a sample of your software, but we want to see how you go about doing it. What processes do you follow? What are your thought processes within the implementation? How would you give confidence to users in the software products you build?

Deliverables

We want you to build a new Product, something which allows users to plan and review their meals based on a calorie-controlled diet where each day permits not more than 1800 calories.

Core Features

We want you to use up to date software frameworks (.Net), libraries and coding patterns to build your Product. It does not have to be a completed software package although the more complete the better. The important thing is to consider key engineering concerns. In the interests of balance, we would expect you to spend no more than two to three days on the work.

Deliverables

Source Code: A public GitHub repository with the application's code.
README: Instructions for setup.
WORD DOC: Explanation and evidence of process followed, patterns being used, and coding techniques which give users confidence. Detail how much time spent on the work.

Evaluation Criteria

1. Core Functionality Implementation: Completeness of product.
2. Code Quality: Organization, readability, and application of up-to-date frameworks, patterns, and engineering excellence techniques.
3. Testing Approach: Evidence of testable code which is known to continue to work in production.

Submission Guidelines

Your submission will be evaluated based on the criteria above, with a focus on your technical decision-making and project insights during the feedback session. Send the URL of the repository to peter.wilson@everflowutilities.com.