Software Engineer role: test task

Goal

The goal of this task is to see how candidates perform on a real-world problem, we give little direction and guidance to test their ability to work independently and apply their own research, planning and problem-solving skills.

Task definition

Build a proof of concept Demo of the Language Confidence Pronunciation API.
You can see an example of our demo here: https://try.languageconfidence.ai/beginner

Minimal Requirements

- As a User, I can enter which text will be assessed so that I can decide what content to practice.
- As a User, I can record my pronunciation of the content so that it gets sent to the LC API.
- As a User, I can see a report of my pronunciation so that I can see where I need to improve.

Constraints

- Should be built using the Next.js framework.
- Should be deployed and accessible via a public URL for us to review.
- The code should also be publicly available via GitHub for us to review.

Expectations

We do not expect a production-ready solution, this is a proof of concept to test the candidate's skills and approach to the problem. However, the goal is to impress us, so candidates are encouraged to do their best and add any additional effort and features they think would benefit the solution.
(Think: What will separate you from other candidates ?)

The task should take 1-3 days but we allow for a week.

What we are looking for

- Smart, efficient modern solutions.
- Smart use of available tools and frameworks.
- Concise, simple and clean code.
- Simple but elegant design.
- Good software development practices.

Tips

- You can sign up for our API and access the free trial plan here: https://rapidapi.com/language-confidence-language-confidence-default/api/pronunciation-assessment1/
- You are welcome to ask questions and seek clarity about the task and scope.