Laravel Challenge

Your goal is to create a patient registration application using Laravel. You should implement the following functionalities:

1. An API with a patient registration that requests the following information: name, email address, phone number, and a photo of the document.
2. The application should validate the user-entered data, ensuring all required fields are provided and valid as appropriate.
3. Once the patient's data has been validated, it should be stored in a MySQL database.
4. After a patient has been successfully registered, a confirmation email should be sent asynchronously to avoid blocking the application (it is not necessary to design the email, use the framework's default template).
5. Use Docker to set up the development environment for the application.

Keep in mind the following additional points:

- You can use Laravel's structure, conventions, and best practices that you consider best for organizing your code.
- You must ensure that your application runs correctly in some way.
- Make sure to use Laravel's validation to verify the user-entered data.
- Use a MySQL database to store the patient data.
- Develop the product with the understanding that the client will want SMS notifications within two months.
- It is not necessary to configure a real email server. You can use a library like "Mailtrap" to test email sending in a development environment.
- Use Docker to create a consistent and reproducible development environment.

Once you are finished, please deliver it with a repository in Git, and send it to your recruiter for evaluation.