Job Title: Backend Software Engineer

Candidate Technical Assessment: Building a text forum with Django

Task Description:

You are tasked with building the API and datastore backend of a forum for a small number of users (< 100). The forum is a basic text system which has the capabilities to add posts, retrieve posts, and like posts. Management does not believe in users editing or deleting existing posts, for ethical reasons.

Task Specifications:

1. The datastore backend may be whatever makes sense to you, but you need to interface with it using the Django ORM, efficient use of ORM functions is essential.

2. Users may retrieve posts without being logged in, but we are a forum that believes in accountability, users must be logged in to create or like posts. Likes and posts must be associated with the user responsible for creating them.

3. User authentication and management needs to be done using Django's built-in framework. User creation, management, etc. can be done through Django's admin page (see admin users below).

4. There are some users that are admins, they need to be able to delete posts that do not comply with our terms of service as required by local laws, this can be done through the Django admin interface, they should not be able to otherwise interact with posts.

Submission Guidelines:

- Code must be submitted using a public git repository in GitHub, with a full commit history. Do not do the whole project in one go and commit it all at once, your use of Git is an important part of this assessment.

- Instructions to run the project need to be in the readme, the assessor needs to be able to run it on a local machine using only the readme as instructions to do so (don't forget external dependencies!).

- Submit a public postman collection which allows easy testing of your API endpoints.