FULL STACK DEVELOPER INTERVIEW TEST

TASK OVERVIEW

Create a secret key management/verification system which allows users to create generated secrets keys and verify them via API.
The UI will only display secret key material on initial generation requests to API and should allow verification and refreshing of existing keys.
Keys should expire after a defined time; each refresh should extend the expiry of keys by 24 hours.
The system should be able to hold thousands of keys, as such the UI must be searchable and sortable.
Key "item" must contain name, description, expiry timestamp and secret itself.
Hint: Idea is based on AWS IAM keys generator.

TASK SPECIFICATIONS:

1. Create REST API endpoint(s) to generate, refresh and verify secret keys and list/update key details. Secret keys should only be visible on the initial generation call response.
   a. openAPI v3 compliance will be favoured.
   b. implemented in any framework but Symfony or another php framework will be favoured.
   c. data may be stored in a relational database or NoSQL with appropriate use of types and hashing.
2. The UI must interact with secret keys through download/upload/verify etc. and should use a table component for listing keys.
3. Description should be editable after the key is created, on save data should be sent to the API. Name, timestamp and expiry should not be editable.
4. There should be tests for the code. Candidates may decide what code should be tested but should be identified as such.
5. Please provide code with instructions on how to run inside a zipped folder.

TIMEFRAMES:

UI- 4hours
API- 4hours.

Total Duration: 8 hours

Fastloop