Technoso™
Control Systems LTD

TASK JUNIOR FULLSTACK POSITION - TECHNOSO

.1 Create a Python script that reads a JSON file: This step involves writing a script that can read data from a JSON file and parse it into a format that can be displayed on a web page.

.2 Display the data in a tabular format on a web page: This step involves designing the layout of the web page using HTML and CSS, and displaying the data from the JSON file in a tabular format.

.3 Implement a search feature: This step involves adding a search bar to the web page that allows users to filter the database by worker name or ID. The search results should be displayed in the same tabular format. This feature can be implemented using JavaScript.

.4 Upload the entire project to a Git repository: This step involves creating a Git repository and uploading all the necessary files (Python script, HTML, CSS, JSON file) to it. The developer should also grant the necessary permissions for others to access and collaborate on the project.

.5 Create a README file: This step involves creating a README file that describes the project, including instructions for running the application, and adding it to the Git repository.

.6 Make the application responsive: This step involves ensuring that the web page looks and works well on mobile devices.

.7 Bonus Features:

- Implement a pagination feature: This step involves allowing users to navigate through the database in chunks, rather than displaying all the data at once.

- Add the ability to sort the data by different columns: This step involves allowing users to sort the data by worker name, ID, etc.

- Create a form that allows users to add new workers: This step involves adding a form that allows users to add new workers to the database and have the new data persist across page refreshes.

- Implement a "favorites" feature: This step involves allowing users to mark certain workers as their favorites and view them separately from the rest of the data.

- Add the ability to upload and download data in CSV and JSON format: This step involves allowing users to export and import the data in CSV and JSON format

- Create a RESTful API: This step involves allowing users to interact with the database (GET, POST, PUT, and DELETE requests)

- Allow the user to download a worker's information as a PDF file.

- Add a feature that allows the user to send an email to the worker whose information is displayed on the page.