

Teralytics SWE Co-Working Day - Task Description

We would like to visualize transit boardings, alightings and load on a map together with some summary charts showing metrics by different lines and time of day. The candidate can come up with additional charts. The map should animate the movement of transit vehicles together with the load and boarding/alighting at / between each station.

We will provide the candidate with a file containing the load, boardings and alightings for each train run at / between each station. The file should be loaded into a database in order to make it available to the application.

The chosen technology components should include React and Node.js. The candidate is allowed to use any search engine, manual, co-pilot/GPT etc. to support the delivery of the task.

At the end of the day the candidate will present the results.

Key criteria for evaluating the candidate with decreasing importance:

- Speed of execution, is there a working prototype of the intended application built at the end of the co-working day
- Quality and structure of code (will be reviewed afterwards)
- Look and feel of the application
- Communication skills during the day and the final presentation
- Cultural fit