1   Introduction

As a data team we want to monitor transfer values of players across the world. One of the questions that a Data Engineer might be asked, is to retrieve information about players from the Transfermarkt website, so that it can be used in the daily operations within the club. In this technical task we would like to see how you would go about answering that question.

2   Deliverables

- Data should be automatically downloaded on a schedule and possible errors can be monitored.

- Data is stored in an appropriate way (correct schema, correct data-types) in a database.

- The project should be easy to run locally to test and easily deployable. Bonus points if Ansible and Terraform is used.

- The usage of tools like DBT for data transformations is encouraged.

- The saved data should be accesible through an API.

- The API should be deployable (AWS is preferred, but up to interpretation).

- Code should be automatically linted, tested and deloyed, preferably through the use of CI.

- A report detailing the choices made.

3   Key considerations

Creativity in this assignment is encouraged. A couple tools to help you on your way could be Localstack and AWS SAM. The project should be exposed through GitHub and should be publicly accessible.

Good luck!