Fl!p

Backend Engineer Recruitment Task

Prerequisites:

- Use NestJS framework.
- Use Service-Oriented Architecture, preferably Event-Driven.
- Provide as many microservices as you find required.
- Use as many databases as you find necessary.
- Use the databases you find most suitable for the job.
- You don't need to worry about infrastructure costs :)

Requirements:

- Instant response .
- The data set will grow linearly and response time should grow logarithmically.

DataSource API:

https://recruitment-api.dev.flipfit.io/orders?_page=<page>&_limit=<limit>

Results:

- Implement EP returning TOP 10 profitable products, based on their sales value (quantity sales x product price). Keep in mind that prices may change.
- Implement EP returning TOP 10 most often bought products (in terms of order count, not quantity).
- Implement EP returning TOP 10 most often bought products (in terms of order count, not quantity) from yesterday.

Please send us a link with solutions uploaded to GitHub. No matter how many services you will create, everything should be uploaded to one repository with a single Docker Compose file.

We will also evaluate your profile in case you contribute to open source projects.