

Tech Briefing

Quinten Rosseel <quinten@dotdash.ai>

Tue 07-Mar-23 23:35

To: gpapad14@hotmail.com <gpapad14@hotmail.com>

Cc: Mark Verheyden <Mark.Verheyden@nemeon.io>


Hi Giorgios,

We'd like to continue in our process and test your skillset with a coding challenge.

I'd like you to develop a small micro-service application. Design & architecture of the application is up to you.

I leave it up to you to decide when you can work on this & present your work.

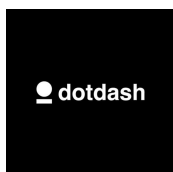
The following elements should be in the application.

- ✓ Data needs to be extracted from an API of your choosing with a script.
- ✓ The API sourced data needs to involve some transformations / clean up steps
- ✓ The transformed data is loaded into a database (you can choose which one).
- ✓ Data gets automatically sourced from the API every 5 minutes, and pushed to your database.
- ✓ You visualize the data in the database with a visualization library of your choosing. Ideally, this can run in the browser.
-  You self-host all micro-services

Bonus if you manage to:

- Set up your microservices on a VM with an infrastructure as code on the cloud!
- Follow coding best practices (unit tests, clean & documented code, project organisation, formatting)
- ✓ Enrich the data with other sources
- ✓ Apply some machine learning on the data

Best regards,



Quinten Rosseel

AI Architect & Partner, Dotdash NV

+32 477 41 25 16

Visit our [website](#) or follow us on [LinkedIn](#)