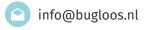


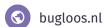
Backend Coding Challenge











Thanks for going through our interview process and for taking the coding challenge!

## **Problem Description**

There is a log file that contains log lines from multiple microservices. This file is very large and has almost 100 million lines. A small sample of this log file can be found in 'logs.txt'

## What are your tasks?

- 1 Create a console command that parses the log file and inserts the data into the database.
- 2 Design a REST API endpoint '/logs/count' which returns a count of rows that match the filter criteria. This endpoint accepts filters via GET HTTP verb and allows zero or more filter parameters.

The filter include:

- serviceNames
- statusCode
- startDate
- endDate

## The Rules and Advice

- What is important for us? SOLID, KISS, DRY, YAGNI, design patterns, separation of concern, framework standard, and security
- Implement the solution in PHP using the Laravel or Symfony frameworks and document the solution in the README file.
- Pick any Database that you are familiar with and decide on a schema.
- You should only need to spend a couple of hours, definitely less than 5. That should be enough time for you to demonstrate your coding style and approach to problem-solving.
- Try to include at least one test to demonstrate the tools you use, and how your approach to writing tests.
- Stub out or describe what other tests you would include with more time.

- If short on time, describe how you would document the service/API in a README.md. How would you make the documentation available? What tools would you use?
- Ideas for more features or improvements? Feel free to implement them, or describe them in a README.md.
- Add any other comments/notes you feel add value to your README.md.

Once you are done with the challenge, please send us the link to the repository.

Good Luck:)