

## Are **you** our next **backend superstar** ?

### RESPONSIBILITIES

- ▷ Apply continuous refactoring practice to keep the code clean and efficient.
- ▷ Suggest and implement performance optimisations.
- ▷ Implement new features.
- ▷ Implement unit and functional tests.
- ▷ Ensure that the best practises and company coding guidelines are always applied.
- ▷ Work closely with the frontend team to define and implement API standards.
- ▷ Take ownership of individual tasks and see them through the entire lifecycle.

### EXPECTATIONS

- ▷ Bachelor's degree in computer science or related field, or equivalent years of experience.
- ▷ 5+ years experience in PHP (OOP, architectural patterns).
- ▷ Recent professional experience in MySQL, Elasticsearch.
- ▷ Experience with Go and Python is a plus.
- ▷ Comfortable in written and spoken English.

### ARCHITECTURE

- ▷ PHP 5.6 (Phalcon 1) moving in parallel toward PHP 7+ (Symfony 5+)
- ▷ Python and Go services
- ▷ MySQL, Redis, ElasticSearch

### LONG TERM GOALS

- ▷ Legacy migration: Make the legacy migration process more efficient.
- ▷ Legacy CRM: Support legacy CRM while refactoring projects progress in parallel.

So you want to apply ? Great! Before we schedule an interview, we would like you to take on a small technical challenge we made up just for you.

## TECHNICAL CHALLENGE

- ▷ Implement 1 API endpoint that returns a paginated list of 2 data types computed into 1.
- ▷ Provide a documentation page for API consumers.
- ▷ You must not use any framework/library, you organise the code the way you want!

## EXPLANATION

- ▷ Data sources are OMDb API and a local JSON file.
- ▷ You define the response format and structure the way you want.
- ▷ Each record in response must have at least: ID, data type, name, description, photo URL.
- ▷ API consumers can filter by free text.
- ▷ API consumers can paginate results.
- ▷ Authentication is done by token in request headers.
- ▷ The valid token value is the result of `date('Ymd')`.
- ▷ API CORS accept any origin.

## SUPPORT

- ▷ Please use <http://www.omdbapi.com> (register for free) "By Title" endpoint.
- ▷ Store the JSON in page 3 in the project, you will open it as a file using PHP.

## THE END

- ▷ Please host your **final production** online so we can see it running directly in our Postman.
- ▷ Please share your code on **GitHub**, don't send a zip, it's not the 90's anymore ;)

## GENERATED JSON

### f1.json

```
{
  "drivers": [
    {
      "id": 20,
      "name": "Lewis Hamilton",
      "image": "https://media.api-sports.io/formula-1/drivers/20.png",
      "bio": "Lewis Carl Davidson Hamilton MBE HonFREng is a British racing driver currently competing in Formula One for the Mercedes-AMG Petronas Formula One Team.",
      "nationality": "British",
      "birthdate": "1985-01-07"
    },
    {
      "id": 19,
      "name": "Sebastian Vettel",
      "image": "https://media.api-sports.io/formula-1/drivers/19.png",
      "bio": "Sebastian Vettel is a German racing driver who races in Formula One for Scuderia Ferrari. He is a four-time Formula One World Champion, having won consecutive titles from 2010 to 2013 with Red Bull.",
      "nationality": "German",
      "birthdate": "1987-07-03"
    },
    {
      "id": 14,
      "name": "Daniel Ricciardo",
      "image": "https://media.api-sports.io/formula-1/drivers/14.png",
      "bio": "Daniel Joseph Ricciardo is an Italian-Australian racing driver who is currently competing in Formula One, under the Australian flag, for Renault.",
      "nationality": "Australian",
      "birthdate": "1989-07-01"
    },
    {
      "id": 25,
      "name": "Max Verstappen",
      "image": "https://media.api-sports.io/formula-1/drivers/25.png",
      "bio": "Max Emilian Verstappen is a Belgian-Dutch racing driver currently competing in Formula One, under the Dutch flag, with Red Bull Racing. At the 2015 Australian Grand Prix, when he was aged 17 years, 166 days, he became the youngest driver to compete in Formula One. He holds eight other \"firsts\" in Formula One racing.",
      "nationality": "Dutch",
      "birthdate": "1997-09-30"
    },
    {
      "id": 34,
      "name": "Charles Leclerc",
      "image": "https://media.api-sports.io/formula-1/drivers/34.png",
      "bio": "Charles Leclerc is a Monégasque racing driver, currently driving in Formula One for Scuderia Ferrari. Leclerc won the GP3 Series championship in 2016 and the FIA Formula 2 Championship in 2017.",
      "nationality": "Monégasque",
      "birthdate": "1997-10-16"
    }
  ]
}
```

## OBJECTIVE

- ▷ Keep it simple, we just want to see how you think and organise your work!