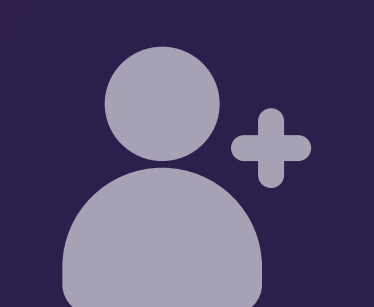


Consumo de APIs Rest com Flutter

Consumo da API Marvel com a biblioteca HTTP



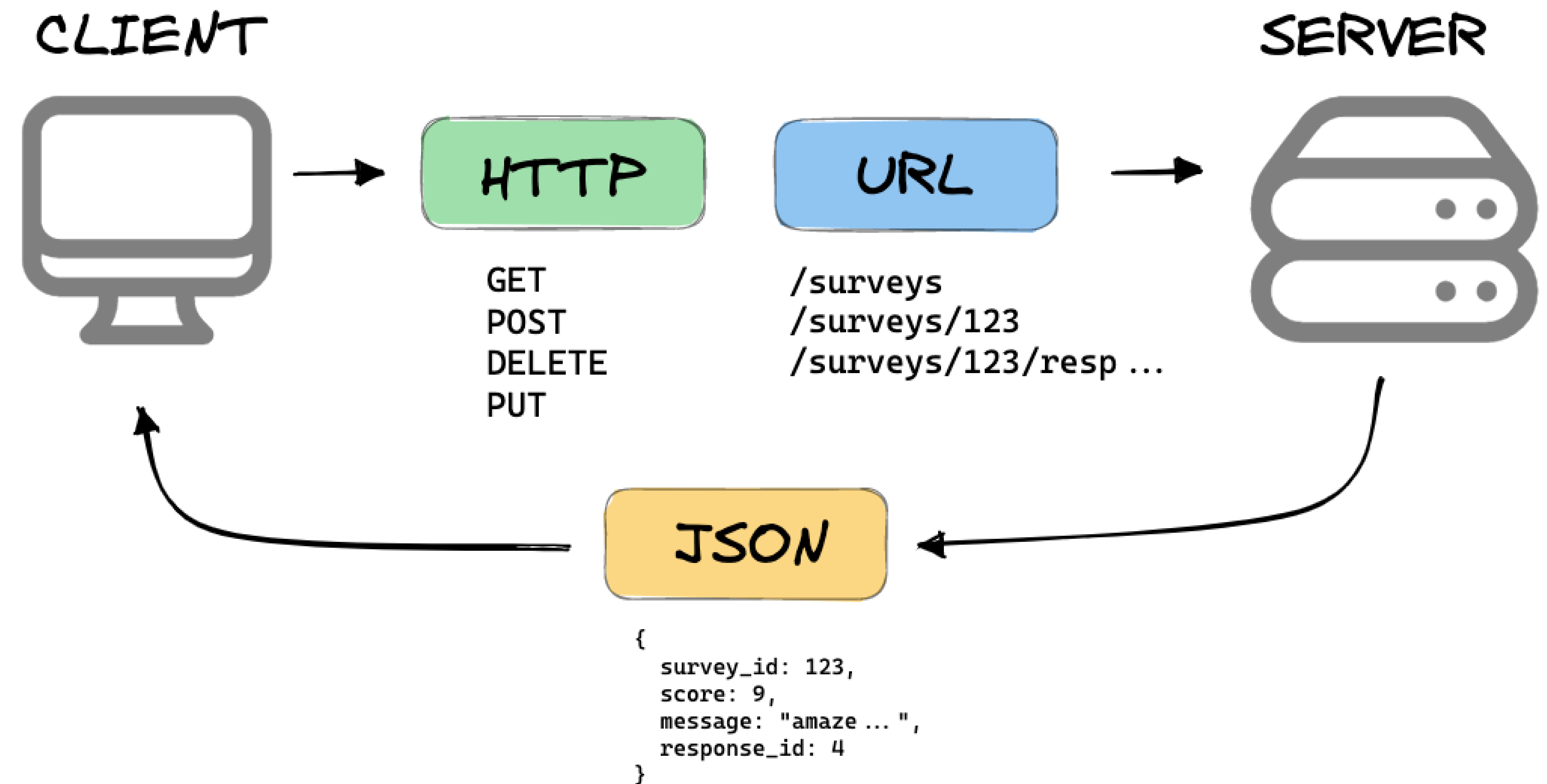
<https://github.com/MarceloSolusysMobile/marvelApp>

Professor Marcelo Leandro da Silva

Uma interface de programação de aplicação (API) define as regras que você precisa seguir para se comunicar com outros sistemas de software.

A representational state transfer (REST – transferência de estado representacional) é uma arquitetura de software que impõe condições sobre como uma API deve funcionar

WHAT IS A REST API?



mannhowie.com

Após cadastro na plataforma serão disponibilizadas duas chaves de acesso.

Gere uma chave Hash MD5 contendo:
ts+private key +public key

Your public key

```
0ea28726a5bc45579f222022fccbc6dc
```

Your private key

```
33f3e0dac12c23bc3cf682a0aaf8d26b4603ec39
```

Authentication for Server-Side Applications

Server-side applications must pass two parameters in addition to the apikey parameter:

ts - a timestamp (or other long string which can change on a request-by-request basis)

hash - a md5 digest of the ts parameter, your private key and your public key (e.g. md5(ts+privateKey+publicKey))

For example, a user with a public key of "1234" and a private key of "abcd" could construct a valid call as follows:

```
http://gateway.marvel.com/v1/public/comics?ts=1&apikey=1234&hash=ffd275c5130566a2916217b101f26150
```

 (the hash value is the md5 digest of 1abcd1234)

Com o arquivo JSON em mãos podemos criar nosso aplicativo e usar toda nossa criatividade, utilizando os widgets do Flutter.

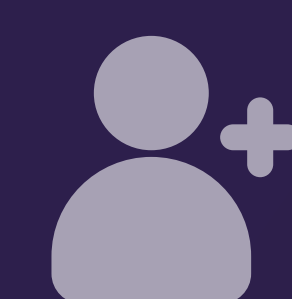
URL PREVIEW

<https://gateway.marvel.com/v1/public/characters?apikey=0ea28726a5bc45579f222022fccbc6dc&hash=3b038adc c3be49ab173cc9c47713cad1&ts=1&limit=50>

200 OK1.25 s199.2 KBJust Now

PreviewHeaders5CookiesTimeline

```
1 {
2   "code": 200,
3   "status": "Ok",
4   "copyright": "© 2023 MARVEL",
5   "attributionText": "Data provided by Marvel. © 2023 MARVEL",
6   "attributionHTML": "<a href=\"http://marvel.com\">Data provided by Marvel. © 2023 MARVEL</a>",
7   "etag": "86e3cedf2d5556550706dc49046748de2e999031",
8   "data": {
9     "offset": 0,
10    "limit": 50,
11    "total": 1562,
12    "count": 50,
13    "results": [
14      {
15        "id": 1011334,
16        "name": "3-D Man",
17        "description": "",
18        "modified": "2014-04-29T14:18:17-0400",
19        "thumbnail": {
20          "path": "http://i.annihil.us/u/prod/marvel/i/mg/c/e0/535fecbbb9784",
21          "extension": "jpg"
22        },
```



<https://github.com/MarceloSolusysMobile/marvelApp>



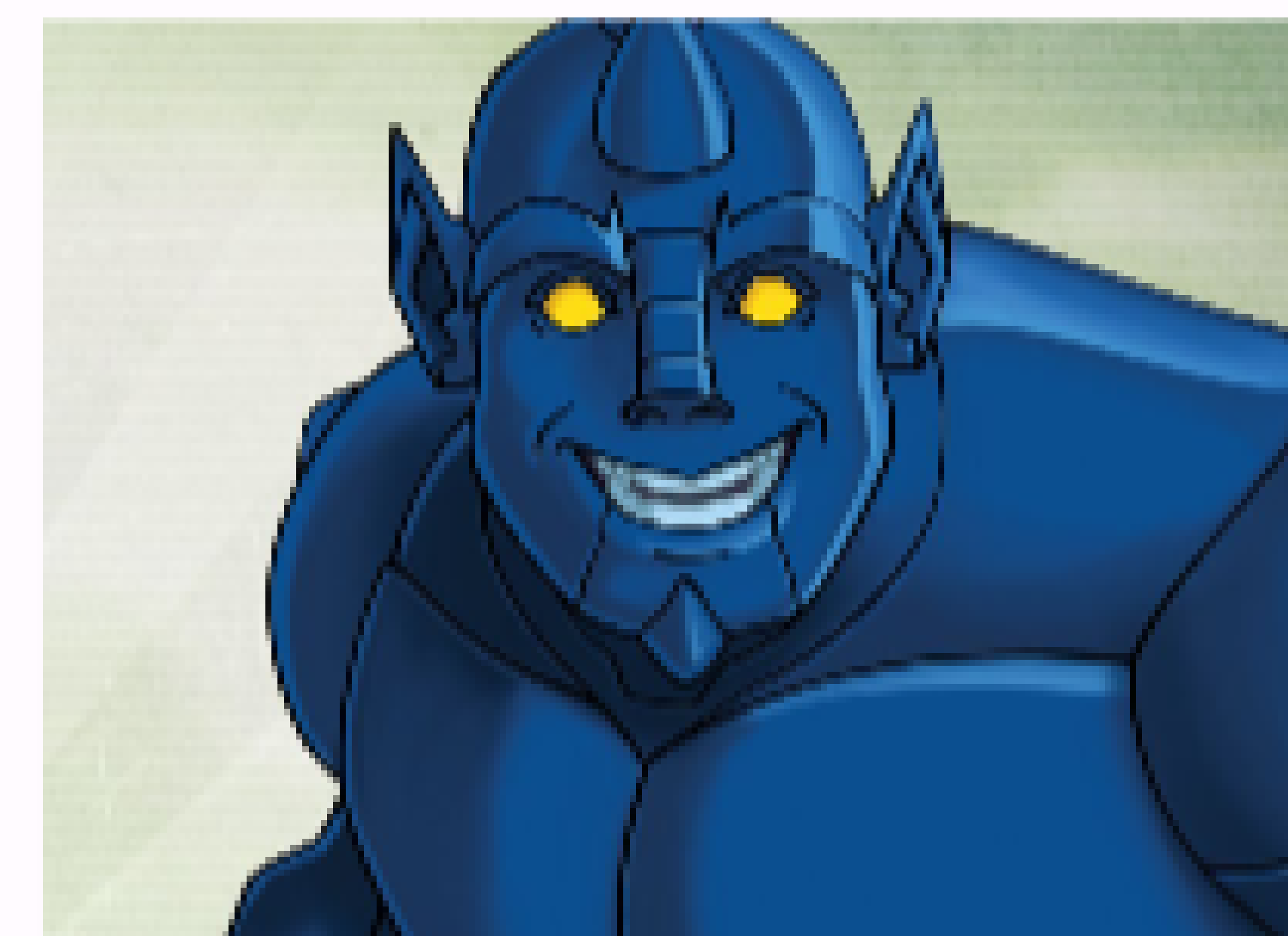
Nesse Exemplo Utilizamos os seguintes Widgets.

- AppBar
- Scaffold
- FutureBuilder
- GridView
- Card
- Image.network

Listagem de Personagens



3-D Man



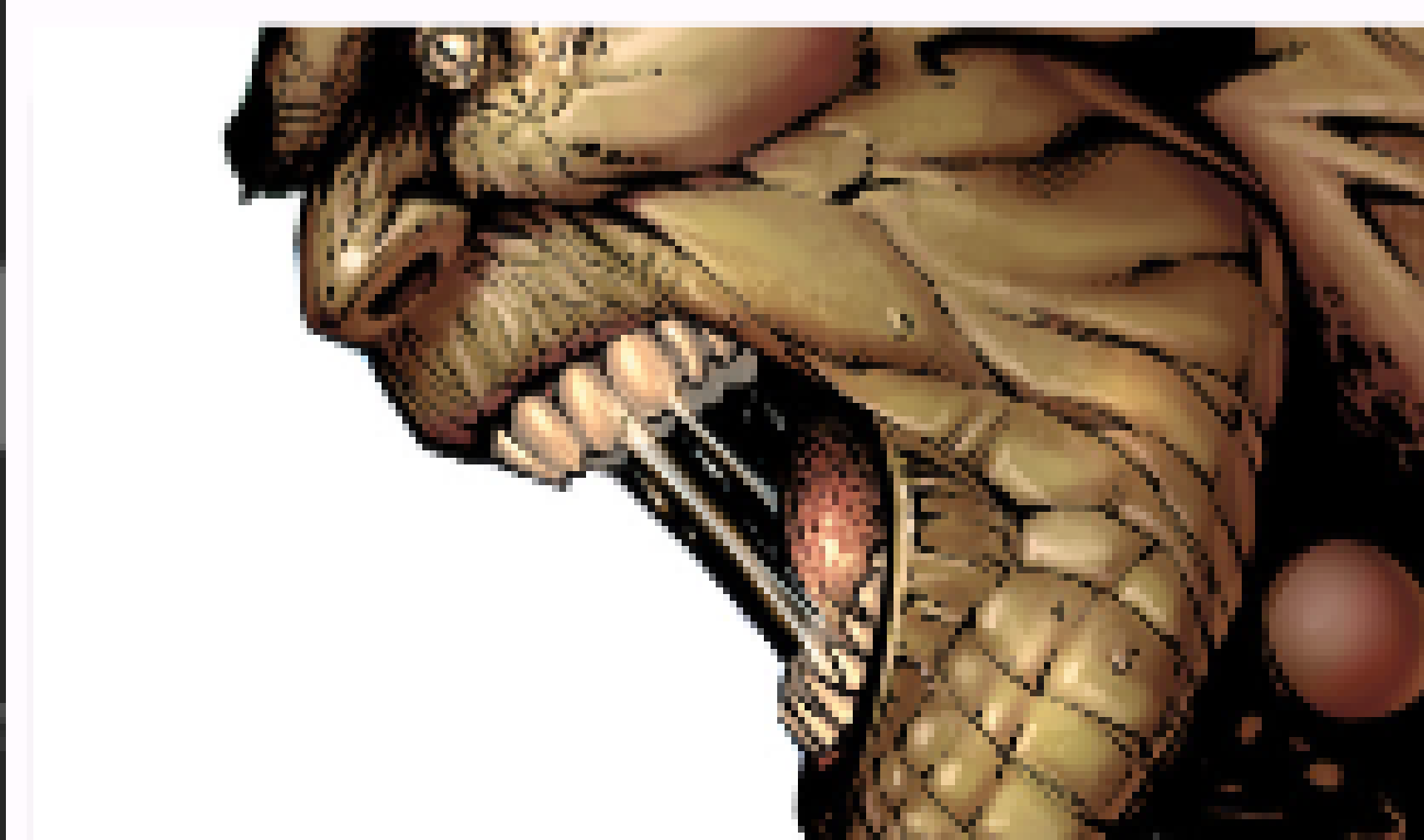
A-Bomb (HAS)



A.I.M.



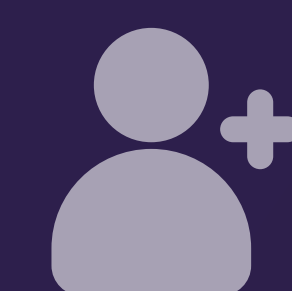
Aaron Stack



Let's Code <>

```
flutter create marvel
```

```
flutter run -d chrome
```



<https://github.com/MarceloSolusysMobile/marvelApp>

