1969

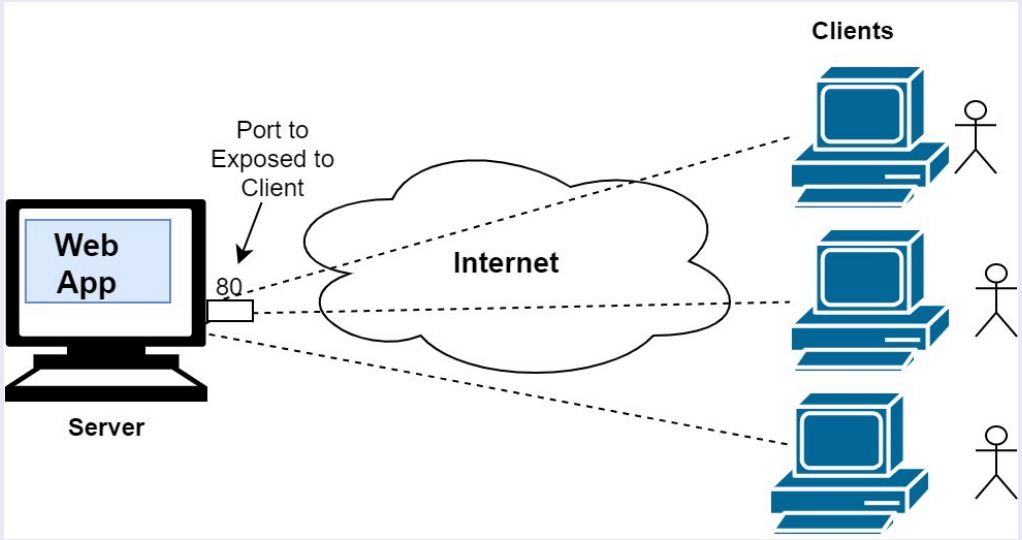
I'll use assembly language to go to the Moon

2021

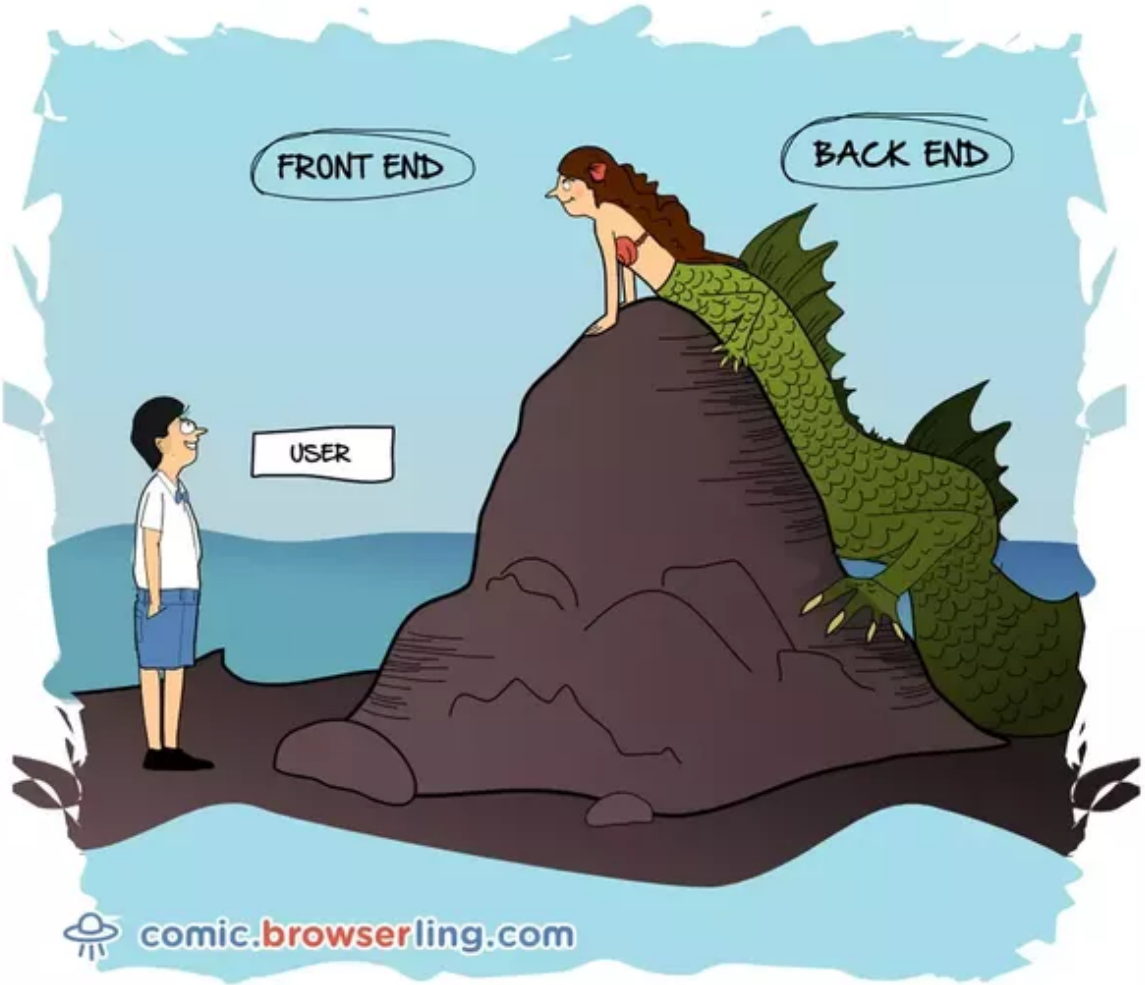
Should I use React or Vue for my portfolio? Ahhh... any tips?

Advantages

Deploy once, use everywhere



Frontend and Backend



Front end vs. Back end.

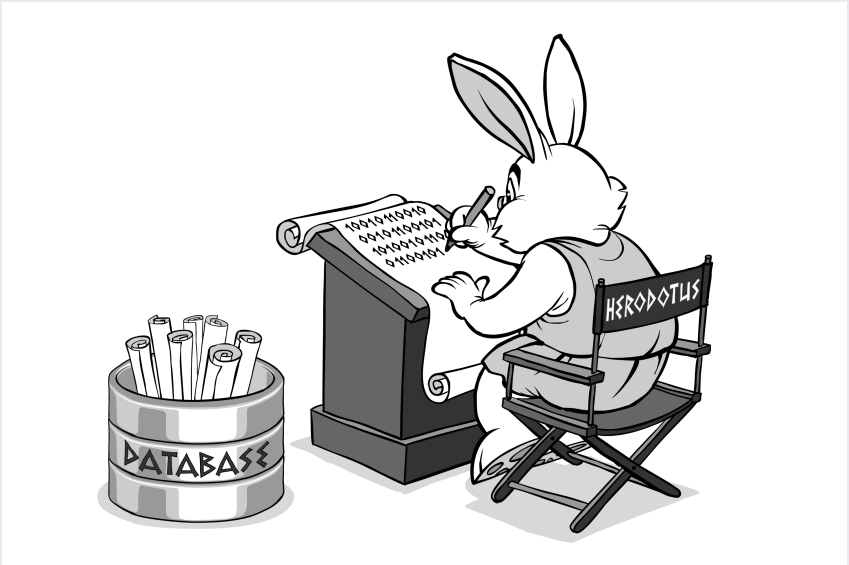
Web Development

Backend Components

- Database

Backend Components

- Database



Web Development

Backend Components

- Database
- Frameworks

Web Development

Backend Components

- Database
- Frameworks

Web Development

Backend Components

- Database
- Frameworks
- Web Server

Backend Components

- Database
- Frameworks
- Web Server

Frontend

Components

- HTML

Frontend

Components

- HTML
- CSS

Frontend

Components

- HTML
- CSS
- JavaScript

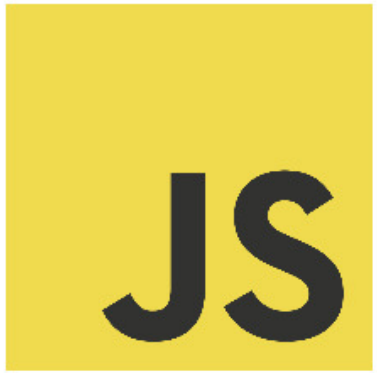
Html CSS Javascript as a Visual Image

JavaScript...

```
> typeof NaN
"number"
> 9999999999999999
10000000000000000
> 0.5+0.1==0.6
true
> 0.1+0.2==0.3
false
> Math.max()
-Infinity
> Math.min()
Infinity
> []+[]
""
> []+{}
"[object Object]"
> {}+[]
0
> true+true+true===3
true
> true-true
0
```

```
> true==1
true
> true===1
false
> (!+[]+[]+![]).length
9
> 9+"1"
"91"
> 91-"1"
90
> []==0
true
```

Modern Day...



Frameworks...

Start a new project
@_mat3e_
Use a shiny new JS framework
6 months and the framework is outdated
6 months and the framework is outdated

All the frameworks...

Meteor JS

Ember JS

React JS

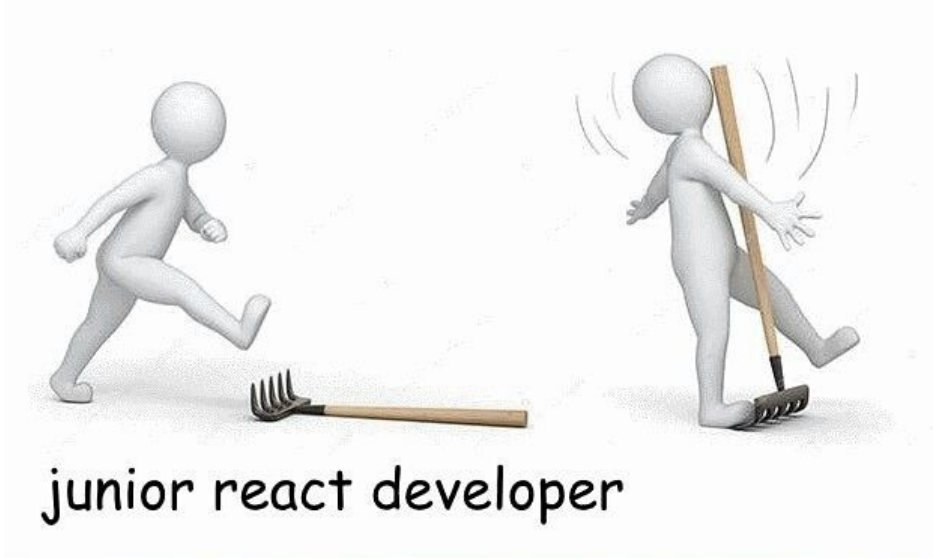
Vue JS

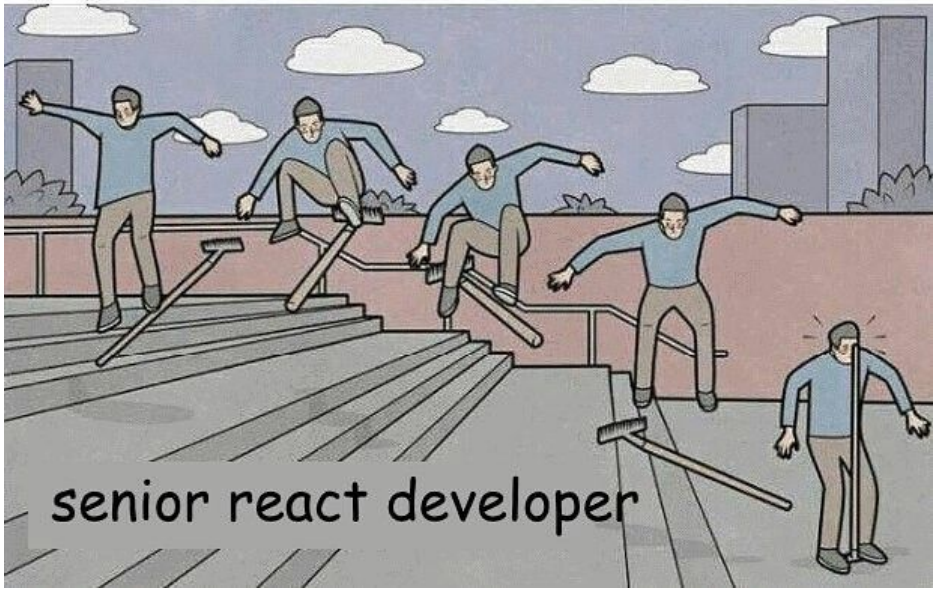
Polymer JS

JavaScript Frameworks

Angular JS

Reactjs...





Reactjs...

```
1  import getDaysDifference from '../commons/getDaysDifference';
2  const getAvgTurnOverDays = ({ list }) => {
3    const turnOverDays = list.reduce((result, p) => {
4      if(p.closedDate) {
5        result = result === null ? 0 : result;
6        return result + getDaysDifference({ day1: p.openDate, day2: p.closedDate});
7      } else {
8        return null;
9      }
10   }, null);
11   return turnOverDays === null ? null : Math.floor(turnOverDays/list.length);
12 };
13
14 export default getAvgTurnOverDays;
```

Tests

```
import given from 'given2';
import getAvgTurnOverDays from './getAvgTurnOverDays';

describe('getAvgTurnOverDays', () => {
  given('l1', () => ({
    closedDate: '12/20/2020',
    openDate: '12/18/2020',
  }));
  given('l2', () => ({
    closedDate: '12/11/2020',
    openDate: '11/15/2020',
  }));
  given('l3', () => ({
    closedDate: given.closedDate,
    openDate: '11/15/2020',
  }));
  given('list', () => (
    ([ given.l1, given.l2, given.l3 ])
  ));

  given('result', () => getAvgTurnOverDays({ list: given.list }))

  describe('when the closedDate is absent', () => {
    given('closedDate', () => undefined);
    it('returns null', () => {
      expect(given.result).toBe(null);
    });
  });

  describe('when the closedDate exists', () => {
    given('closedDate', () => '11/15/2020');
    it('returns avg turnover rate', () => {
      expect(given.result).toBe(13);
    });
  });
});
```