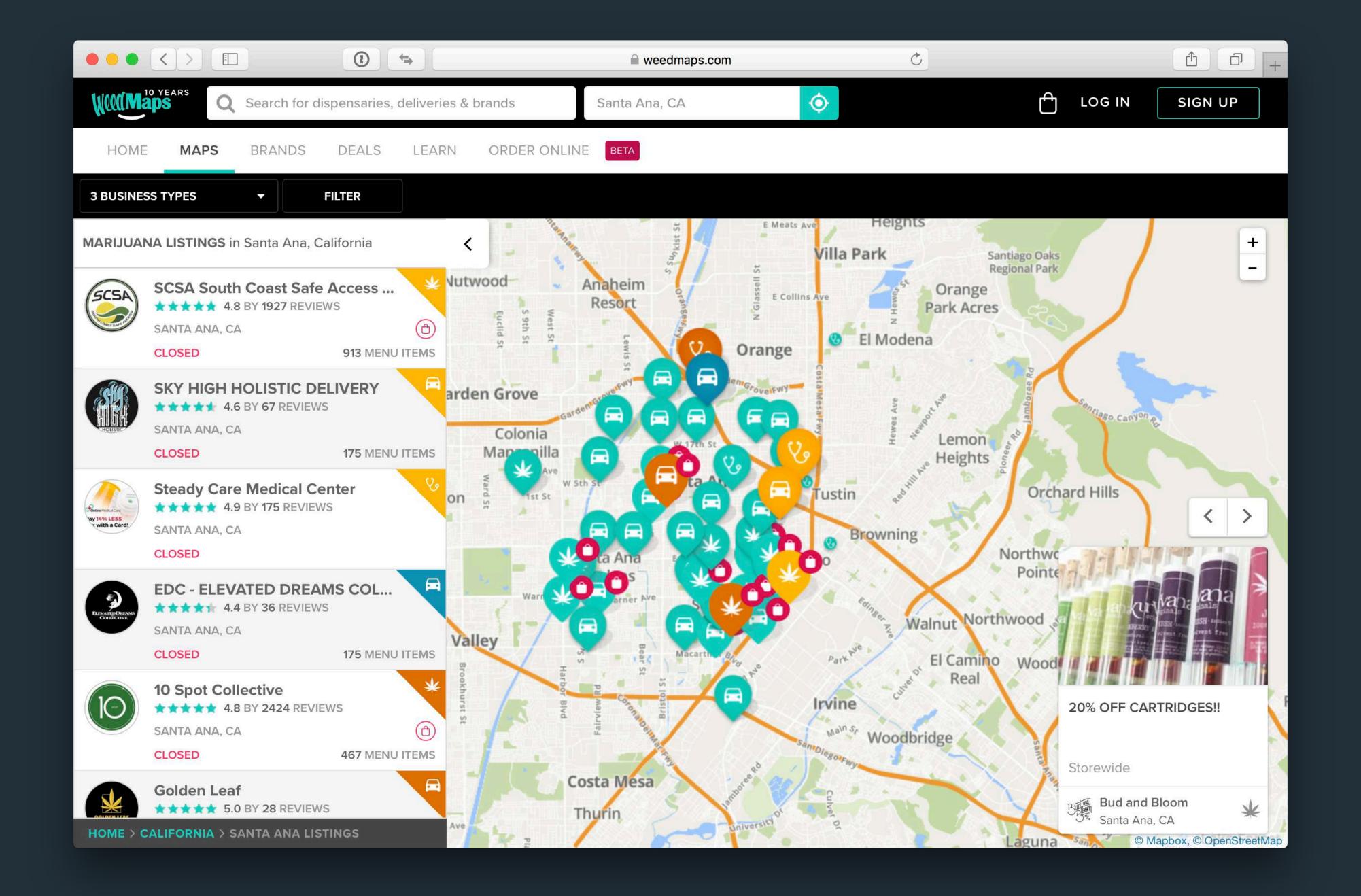






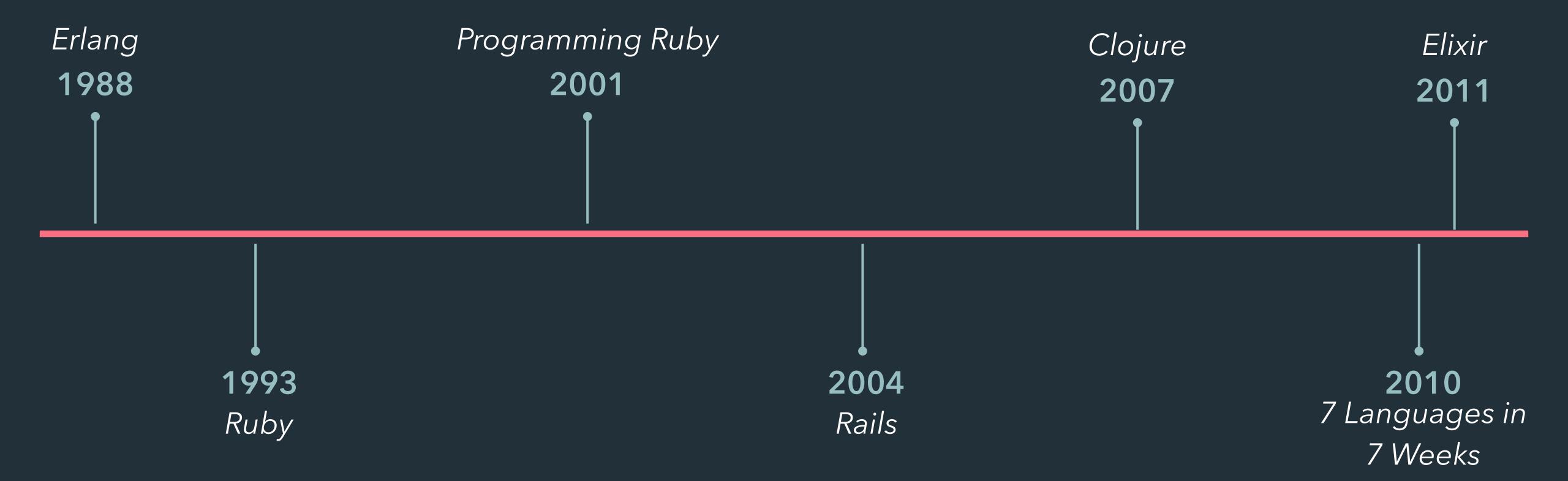


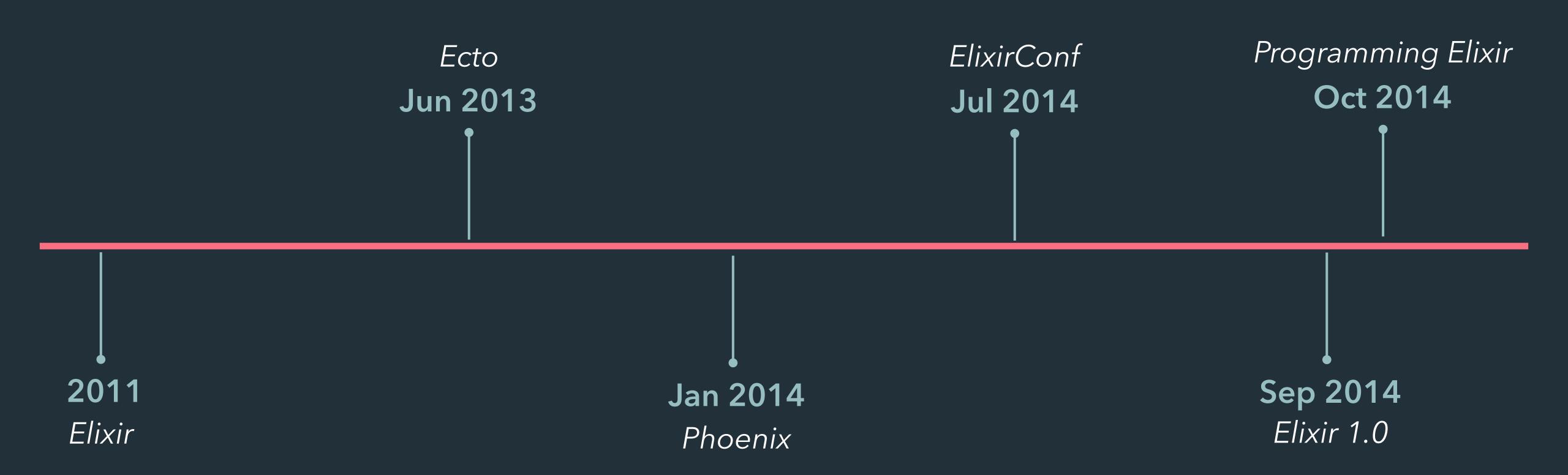
### weedmaps





#### weedmaps.com/careers





# LANGUAGE EVOLUTION





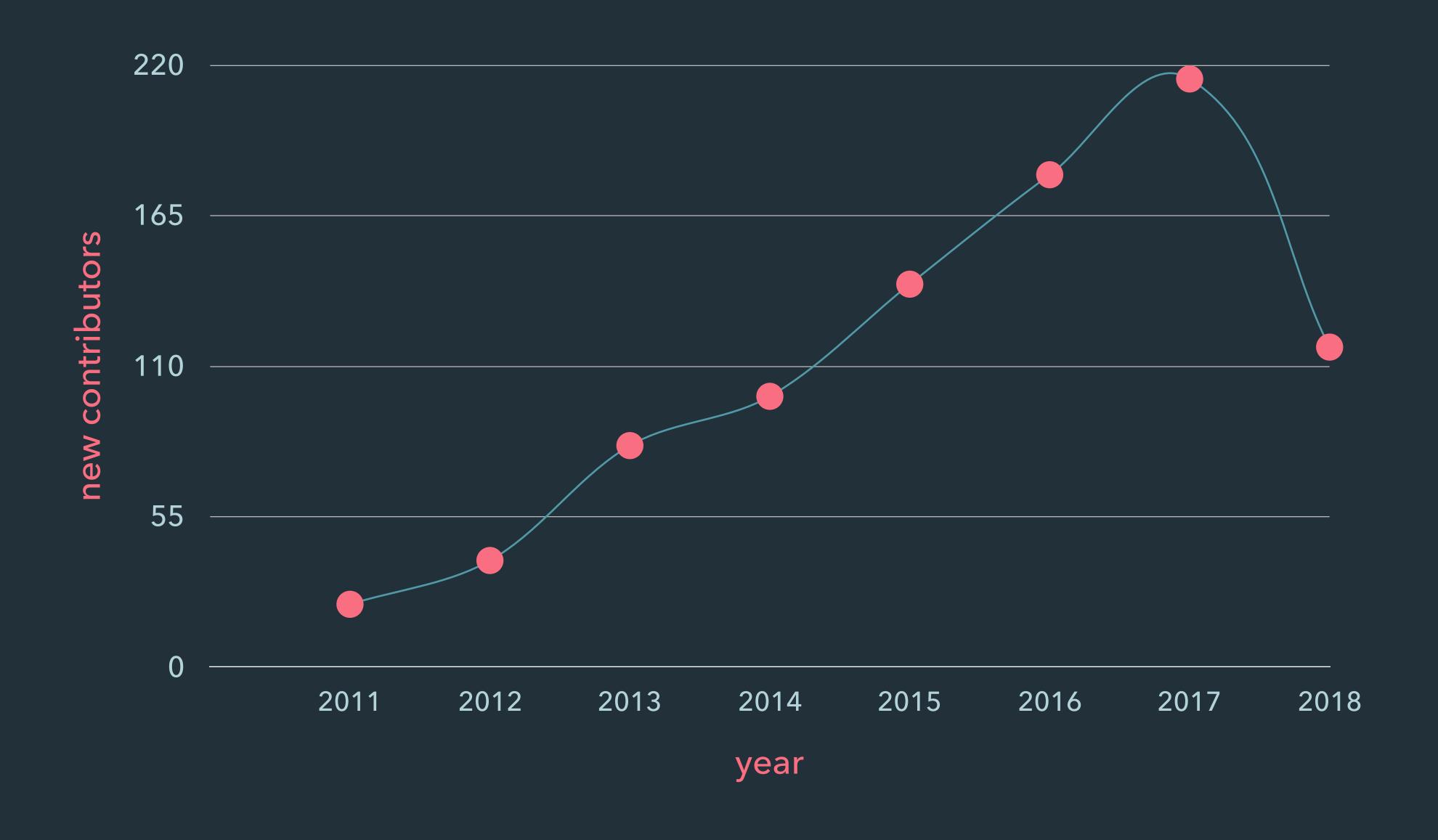
coordination quality assurance maintenance

## COMMUNITY 6 6 7

experimentation ecosystem usage

## has Elixir been GROWING?

#### CONTRIBUTORS



#### ELIXIR CONFERENCES





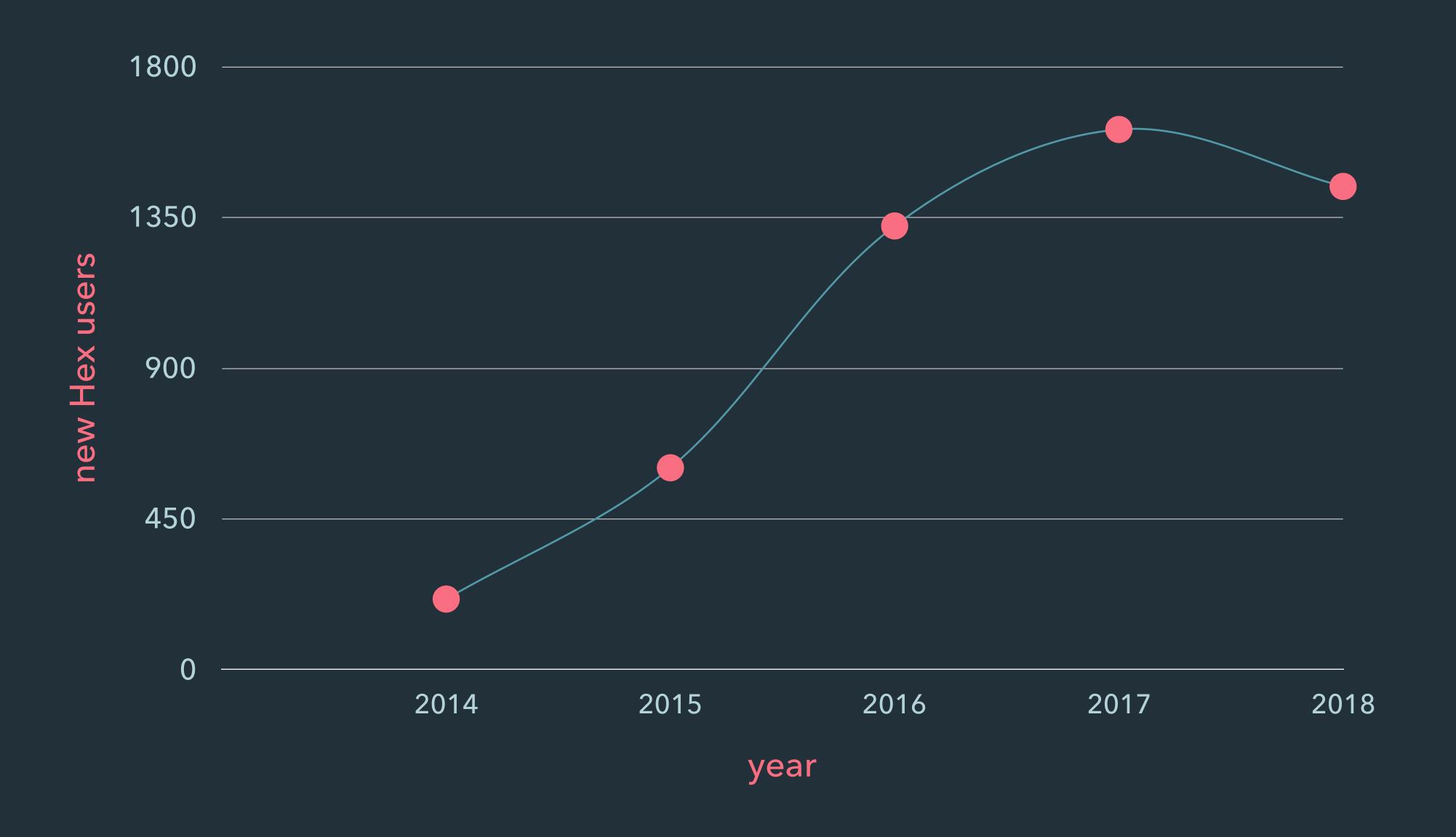




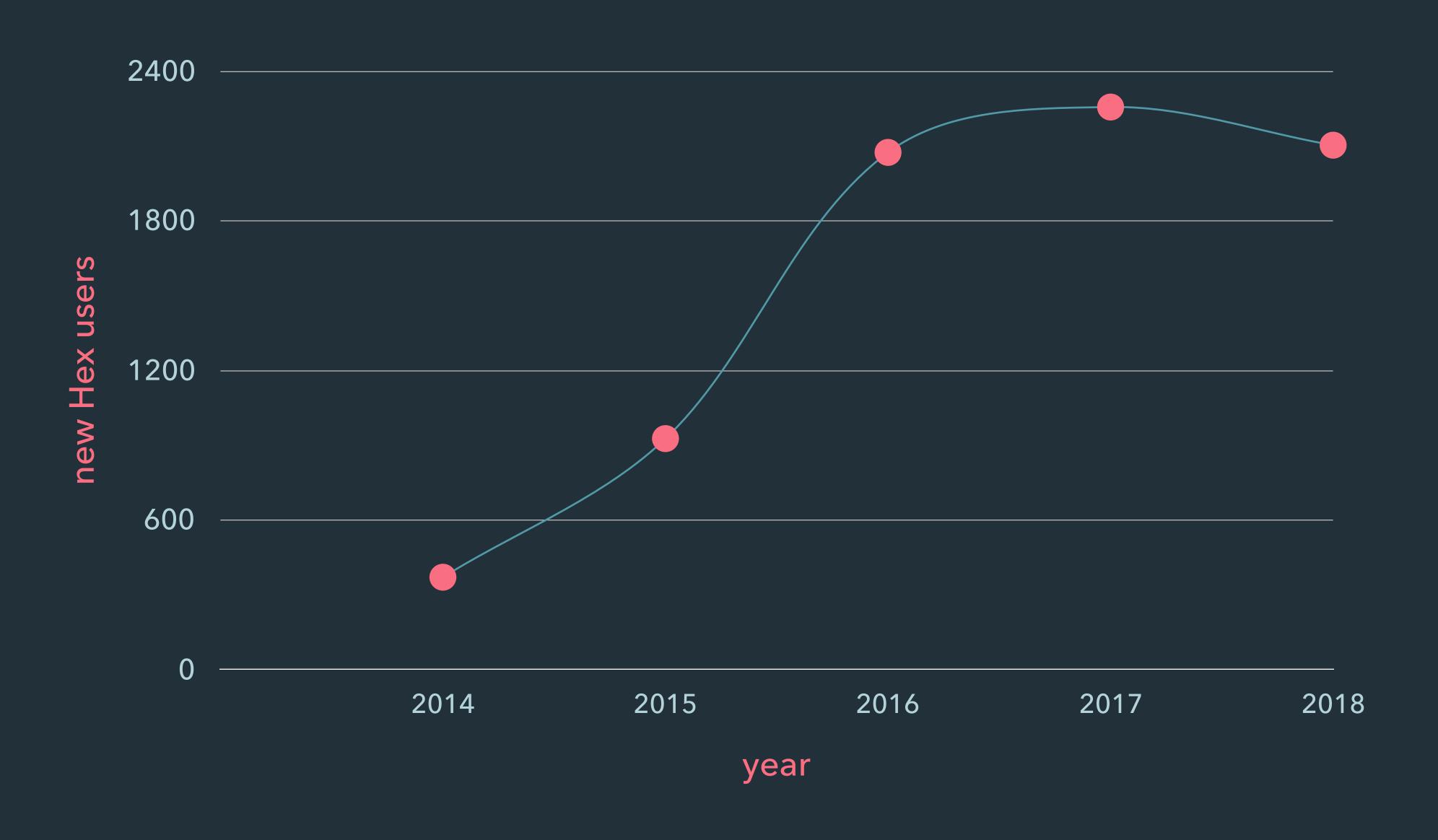




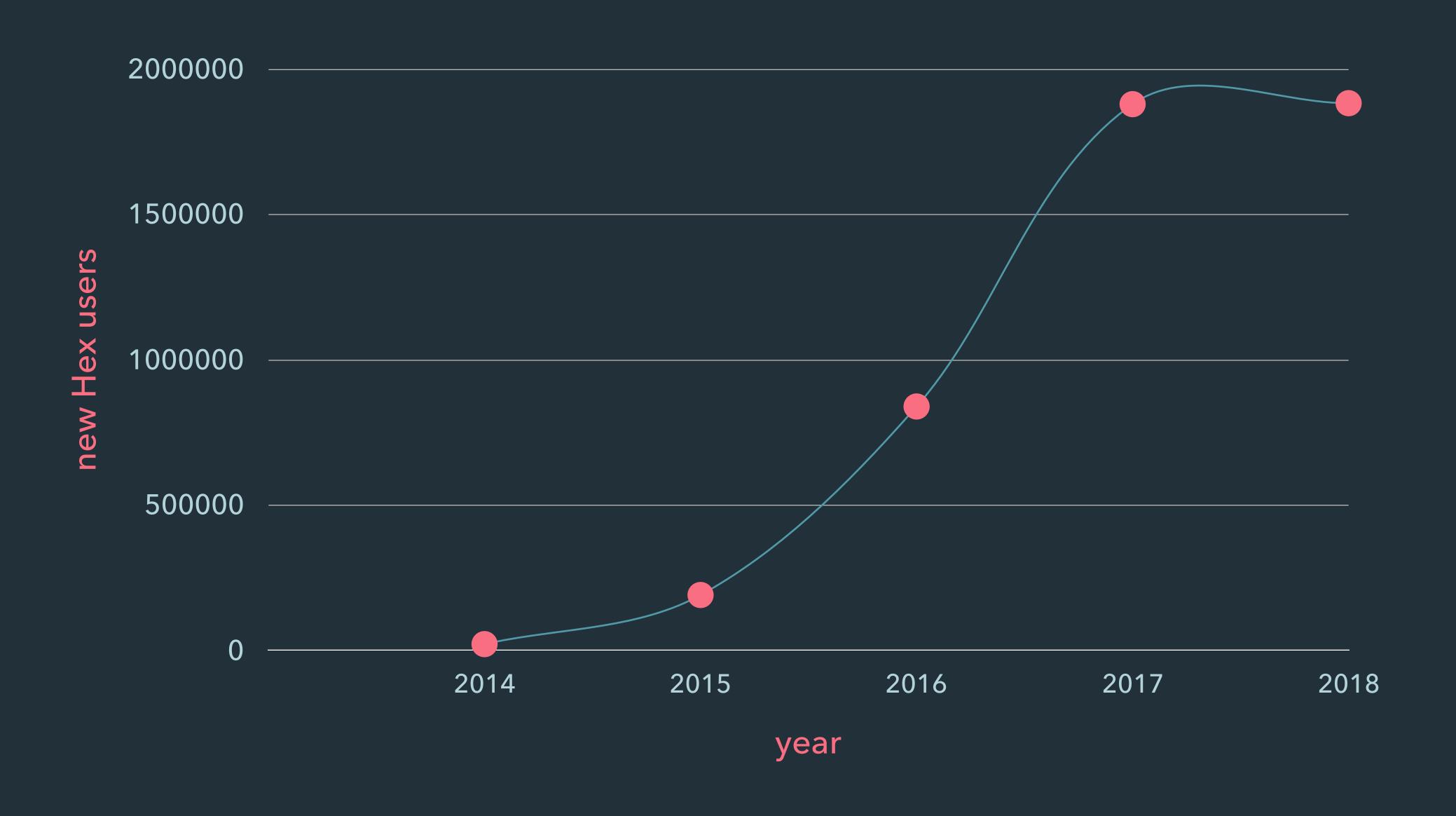
#### HEX (users)



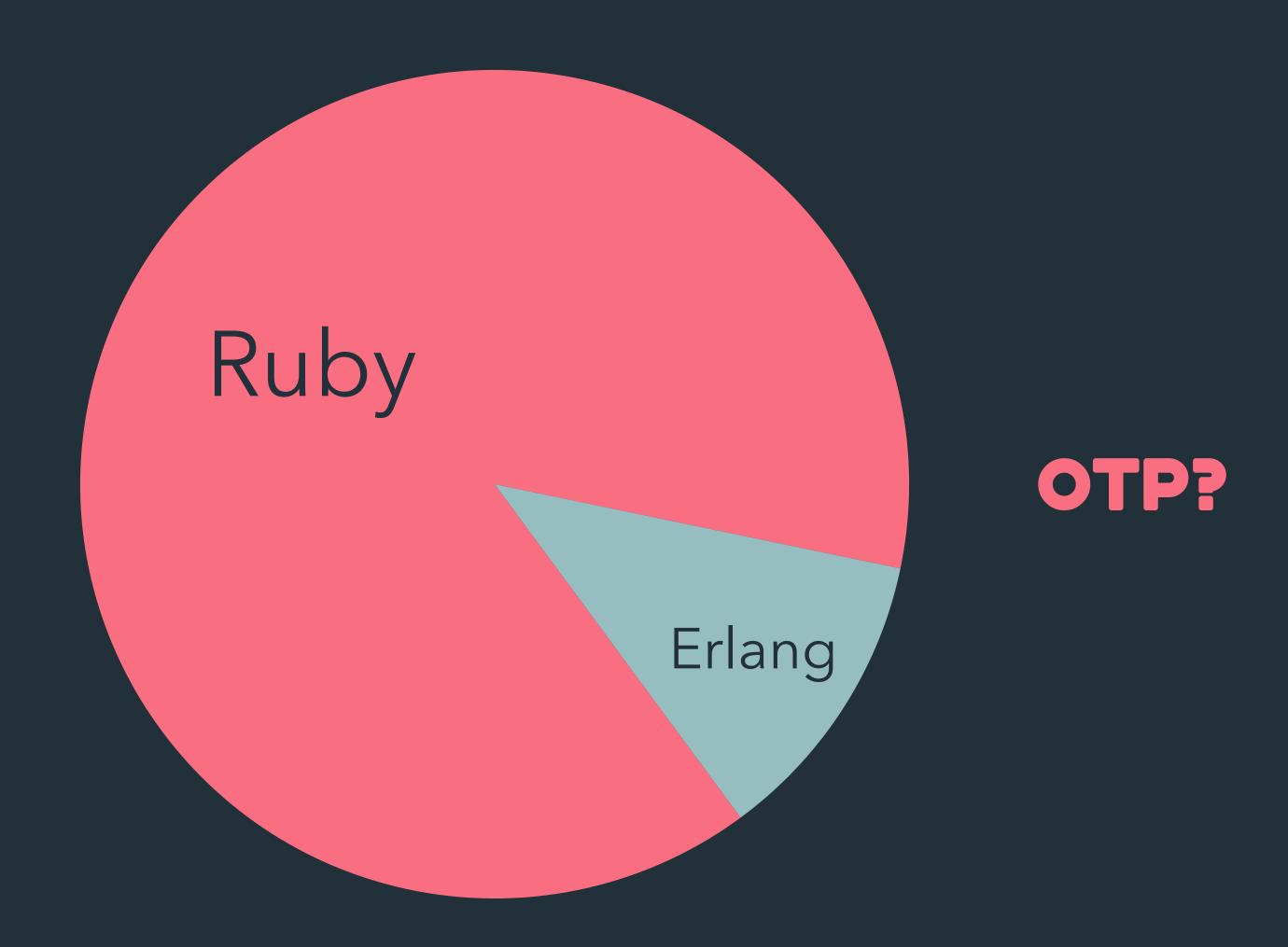
#### HEX (packages)

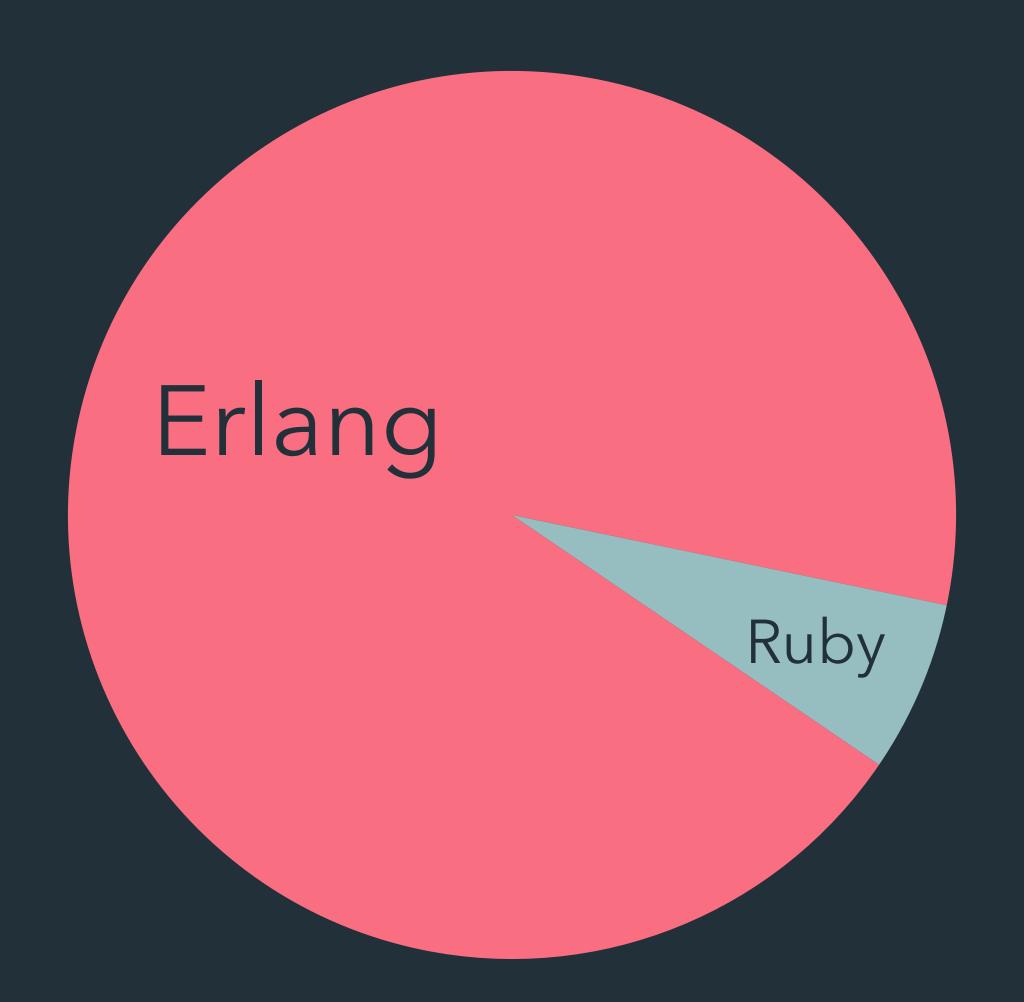


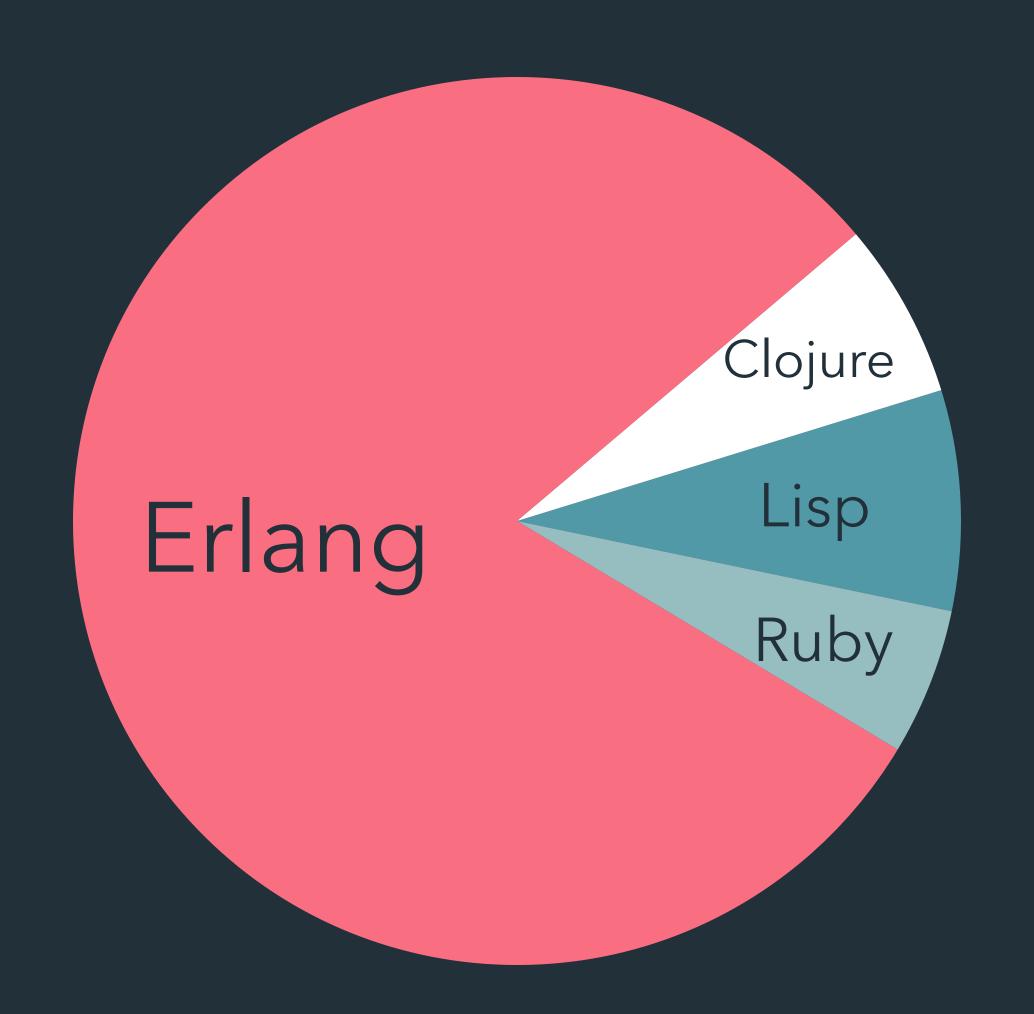
#### HEX (downloads)



#### THINGS WE GOT BETTER AT

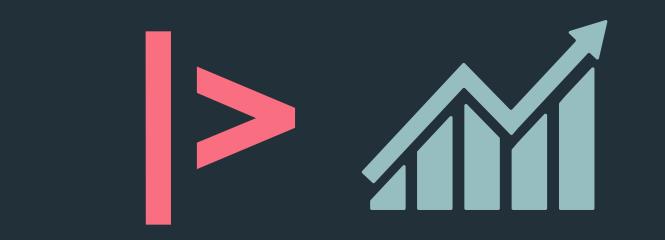


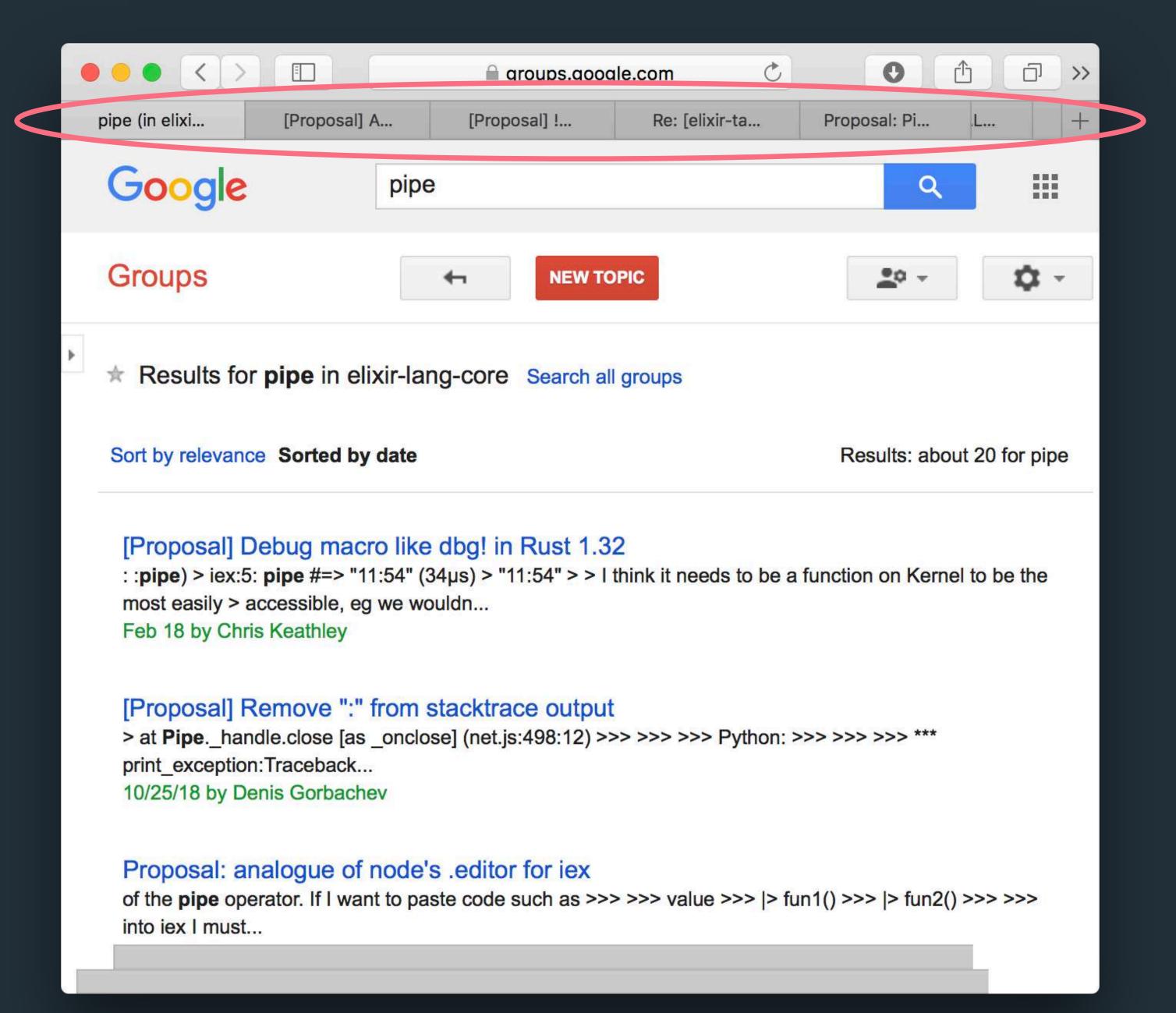




#### EMBRACING OTP

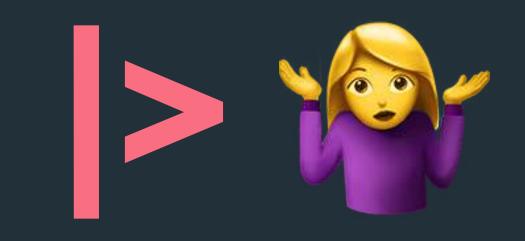
#### DESIGNING BETTER LIBRARIES







```
[1, [2], 3]
|> List.flatten()
|> Enum.map(fn x -> x * 2 end)
```



## significant EXELICE

the importance of

#### SHOWS A NEW WAY TO DO THINGS

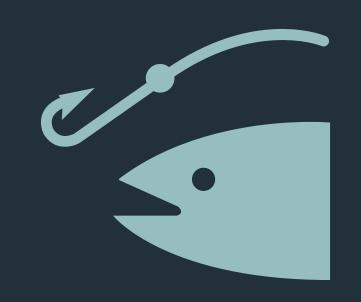
#### DATA + PURE CODE

#### VALIDATES METAPROGRAMMING IN ELIXIR

#### SHOWS POWER OF METAPROGRAMMING

(WILL SLIGHTLY REGRET LATER)

# 



### hooks users on Elixir through web



channels

# 

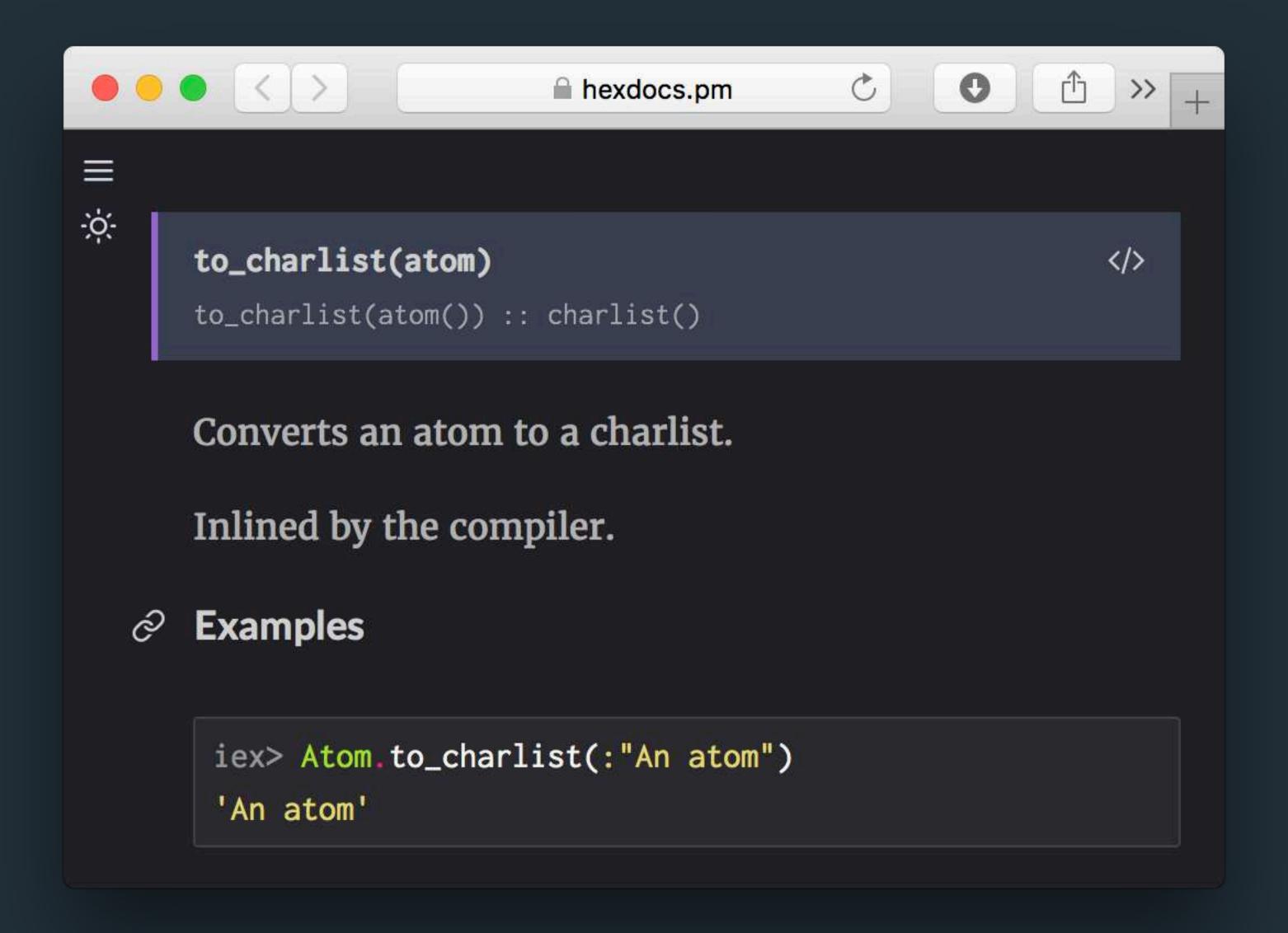
## Elixir is not just for the web?!



# GROWTH FACTORS

### DOCS

```
atom.ex — ~/Code/elixir
            atom.ex
23
        @doc """
24
25
         Converts an atom to a charlist.
26
         Inlined by the compiler.
27
28
         ## Examples
29
30
             iex> Atom.to_charlist(:"An atom")
31
             'An atom'
32
33
         1111111
34
35
         @spec to_charlist(atom) :: charlist
         def to_charlist(atom) do
36
           :erlang.atom_to_list(atom)
37
38
         end
39
lib/elixir/lib/atom.ex ① 0 ▲ • LF UTF-8 Elixir 🖟 master 🗯 Fetch 🖹 0 files 🗊 3 up
```



#### 1. beam.smp

iex(4)> h Atom.to\_charlist

```
def to_charlist(atom)
```

```
@spec to_charlist(atom()) :: charlist()
```

Converts an atom to a charlist.

Inlined by the compiler.

## Examples

iex> Atom.to\_charlist(:"An atom")
'An atom'

iex(5)>

#### TOOLING I UX I DEVELOPER HAPPINESS

xref IEx breakpoints syntax highlighting in IEx formatter ExUnit diff

```
1. zsh
→ mix test

    test pack/1 regular strings (Redix.ProtocolTest)

     test/redix/protocol_test.exs:16
    Assertion with == failed
    code: assert IO.iodata_to_binary(pack(["foo", "bar"])) == "*2\r\n$3\r\
nfo\r\n\$4\r\nbar\r\n
     left: "*2\r\n$3\r\nfoo\r\n$3\r\nbar\r\n"
    right: "*2\r\n$3\r\nfo\r\n$4\r\nbar\r\n"
     stacktrace:
       test/redix/protocol_test.exs:17: (test)
Finished in 2.1 seconds
6 doctests, 5 properties, 81 tests, 1 failure
Randomized with seed 725795
andrea ~/Code/redix (master *)
                                                                         2s
```

### COMMUNITY



## WHATSNEXT

what will the

focus on?

### MAINTENANCE



RESEARCH



DEVELOPER HAPPINESS



Hey @elixirlang community! I have a question. What do you expect most from Elixir, its team, and its development focus?

V

40% Developer happiness

21% Performance

20% Stability

19% Innovation

624 votes • Final results

## COMMUNITY/ECOSYSTEM

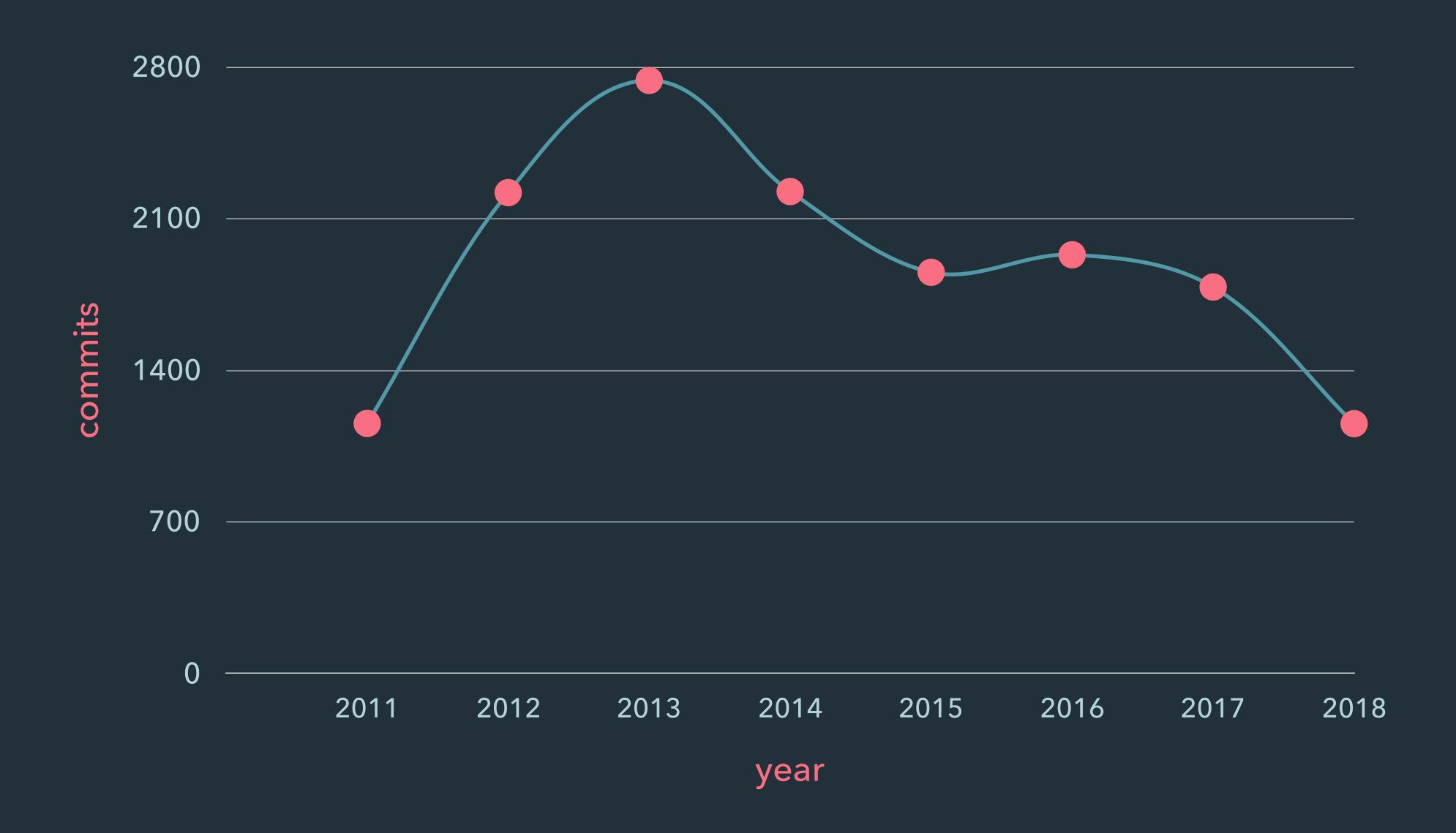
### (hopefully)

## ELIXIR GETS PICKED UP BY BIG COMPANIES

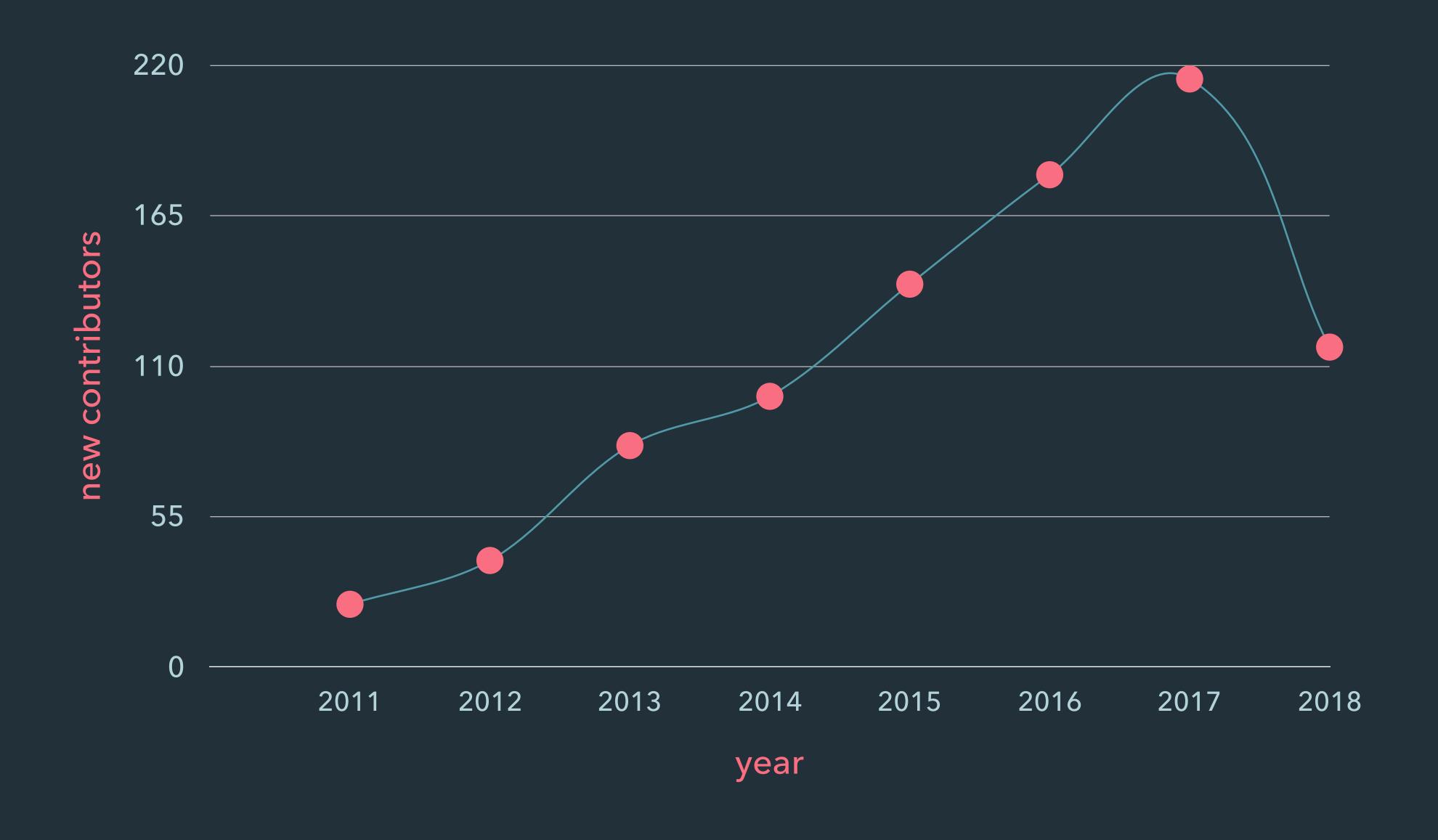
### ECOSYSTEM WILL GET LARGER AND BETTER

## LESS CORE CONTRIBUTORS MORE ECOSYSTEM CONTRIBUTORS

### COMMITS



## CONTRIBUTORS

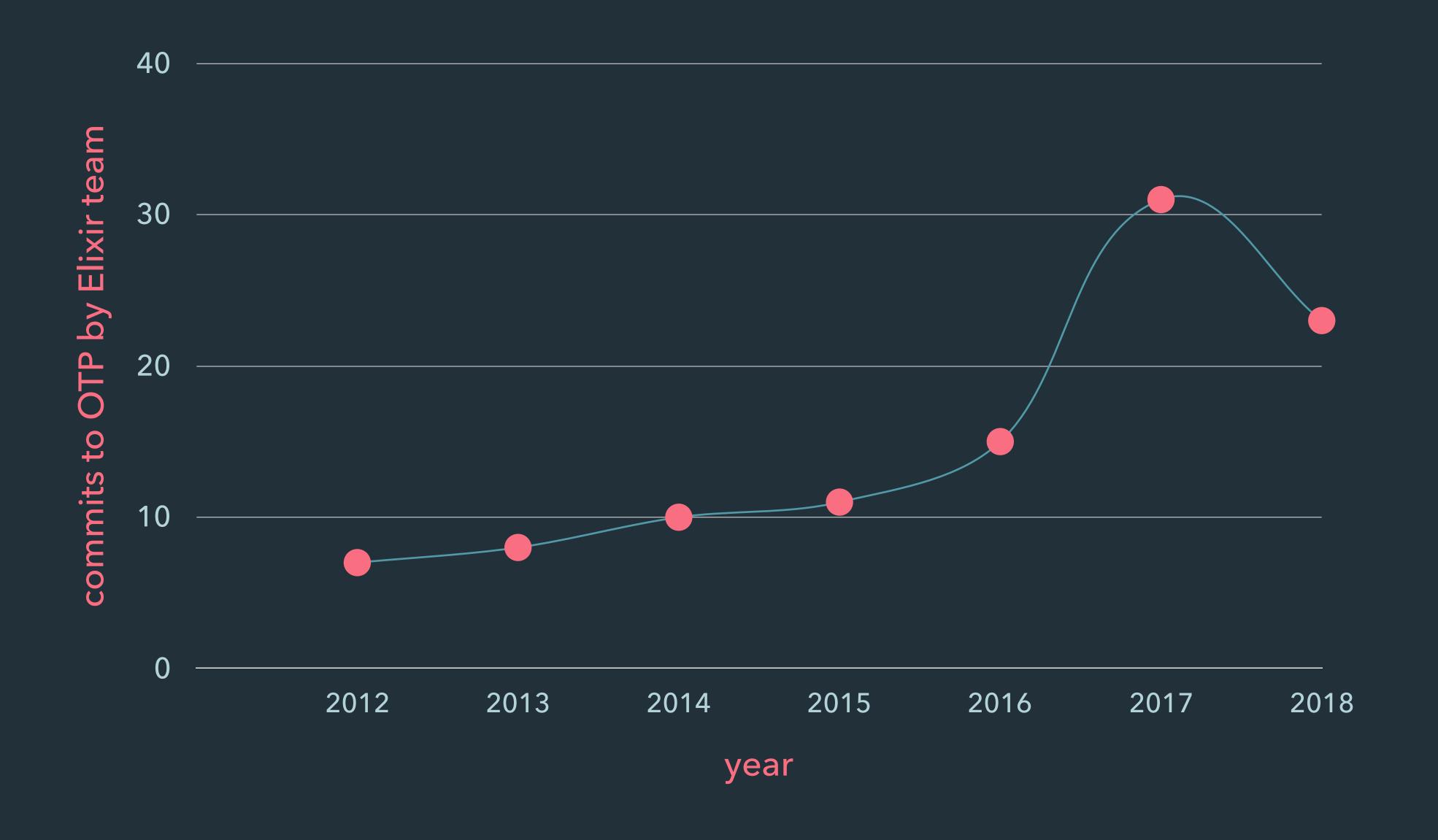


## LESS ELIXIR CONTRIBUTORS MORE BEAM CONTRIBUTORS

## ELIXIR & ERLANG



### ERLANG CONTRIBUTORS



Benchee.run/2

benchee:run/2

:telemetry.execute/3

telemetry:execute/3



#### EEP 48: Documentation storage and format

#### **Abstract**

This EEP proposes an official API documentation storage to be used by by BEAM languages. By standardizing how API documentation is stored, it will be possible to write tools that work across languages.

### Rationale

Currently, different programming languages and libraries running on BEAM devise their own schemas for storing and accessing documentation.

For example, Elixir and LFE provide a h helper in their shell that can print the documentation of any module:

iex> h String
A String in Elixir is a UTF-8 encoded binary.

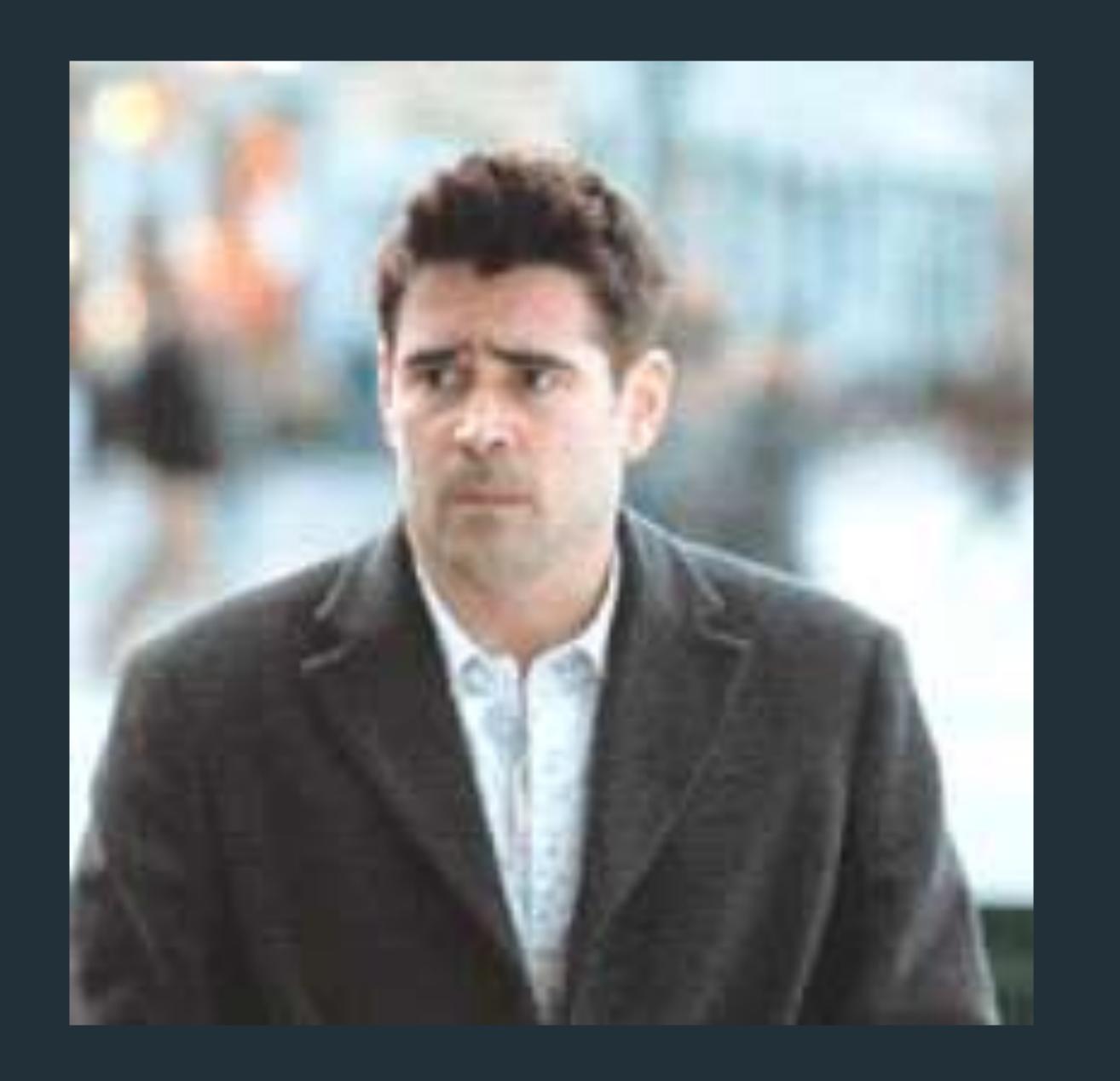
However, Elixir is only able to show docs for Elixir modules. LFE is only able to show docs for LFE functions and so on. If documentation is standardized, such features can be easily added to other languages in a way that works consistently

is Elixir

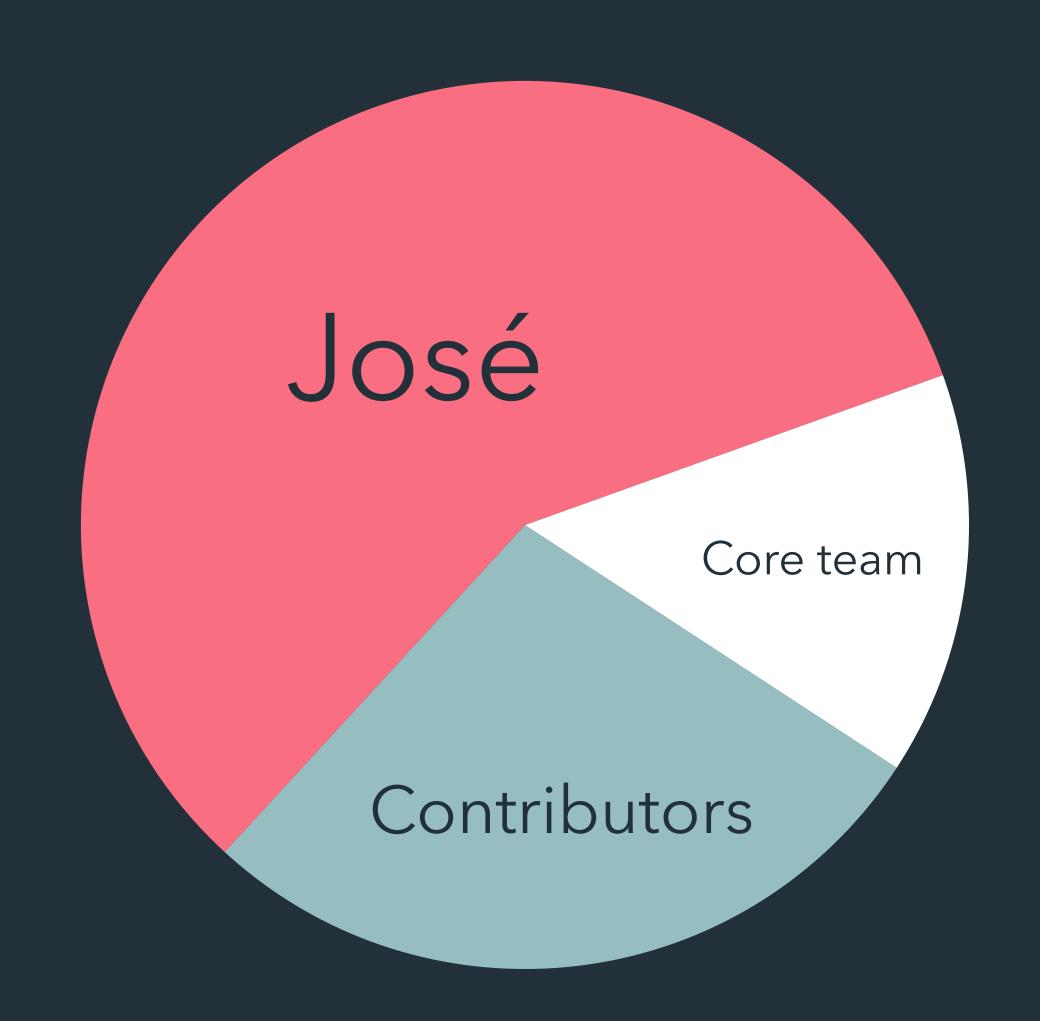
# SUCCESSFUL?

will Elixir

# SURVINER



# not much relying on the TEAM + LANGUAGE





## CONTRIBUTE

### START DISCUSSIONS





### @WHATYOUHIDE

elixir-lang.org