elixir

# Katas

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parademem

# Tips

## defguard and defguardp ( > Elixir 1.6 )

```elixir
defmodule User do
  defstruct [:age]
end

defmodule Bar do
  defguard legal_adult?(age) when age >= 21

  def enter?(%User{age: age}) when legal_adult?(age), do: IO.puts("Can enter")
  def enter?(%User{age: _age}), do: IO.puts("Can't enter")

  def drinks?(%User{age: age}) when legal_adult?(age), do: IO.puts("Can ask for drinks")
  def drinks?(%User{age: _age}), do: IO.puts("Can't ask for drinks")
end

user = %User{age: 20}

Bar.enter?(user)
# => Can't enter
Bar.drinks?(user)
# => Can't ask for drinks

user = %User{age: 22}
Bar.enter?(user)
# => Can enter
Bar.drinks?(user)
# => Can ask for drinks
```

# Tips

.iex

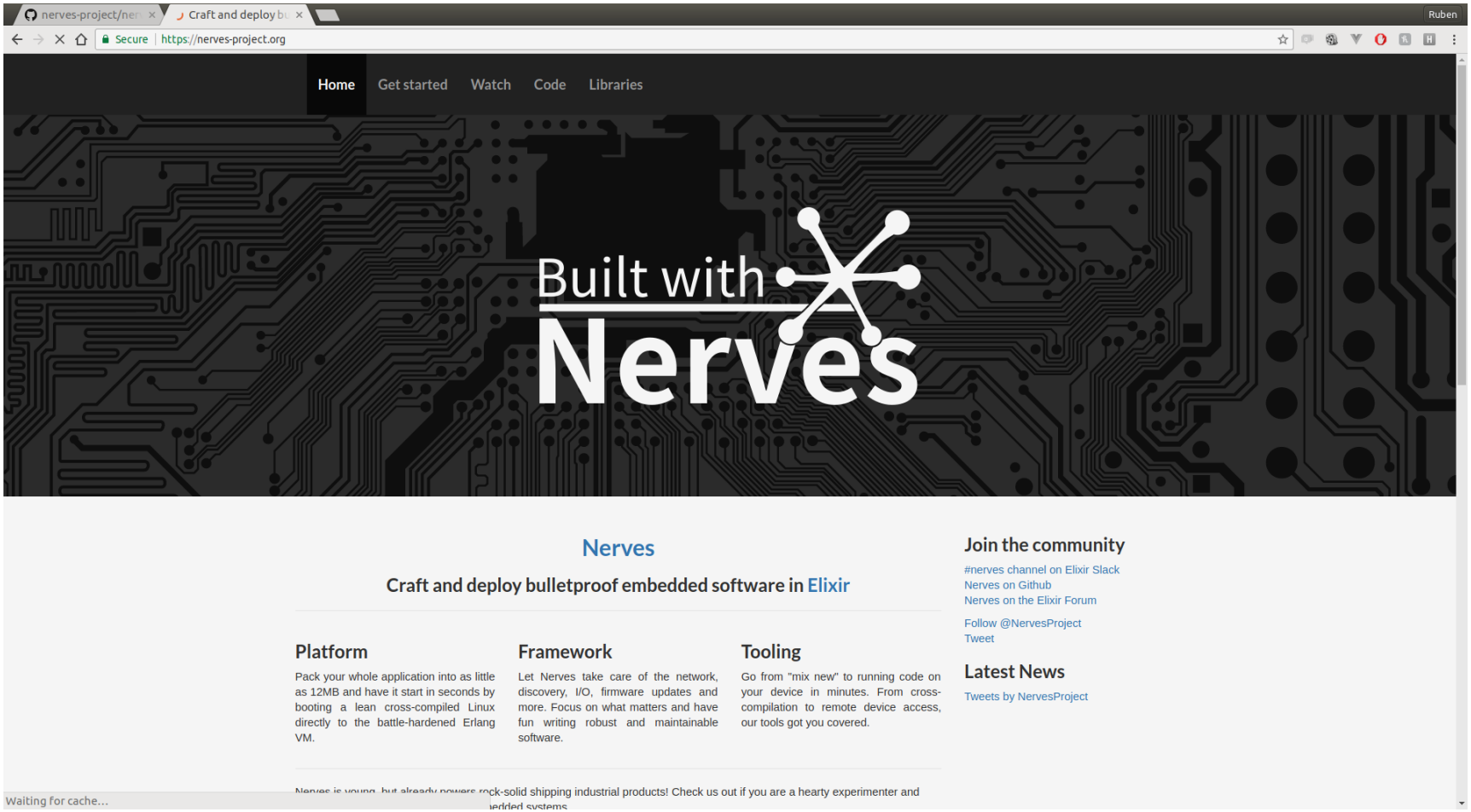
```
ramortegui@RA rumbl_phoenix_1_4 (master) $ more .iex.exs
alias Rumbl.Repo
alias Rumbl.Accounts.User
alias Rumbl.Multimedia.Category
alias Rumbl.Multimedia.Video

import Ecto.Query
ramortegui@RA rumbl_phoenix_1_4 (master) $
```

# Info

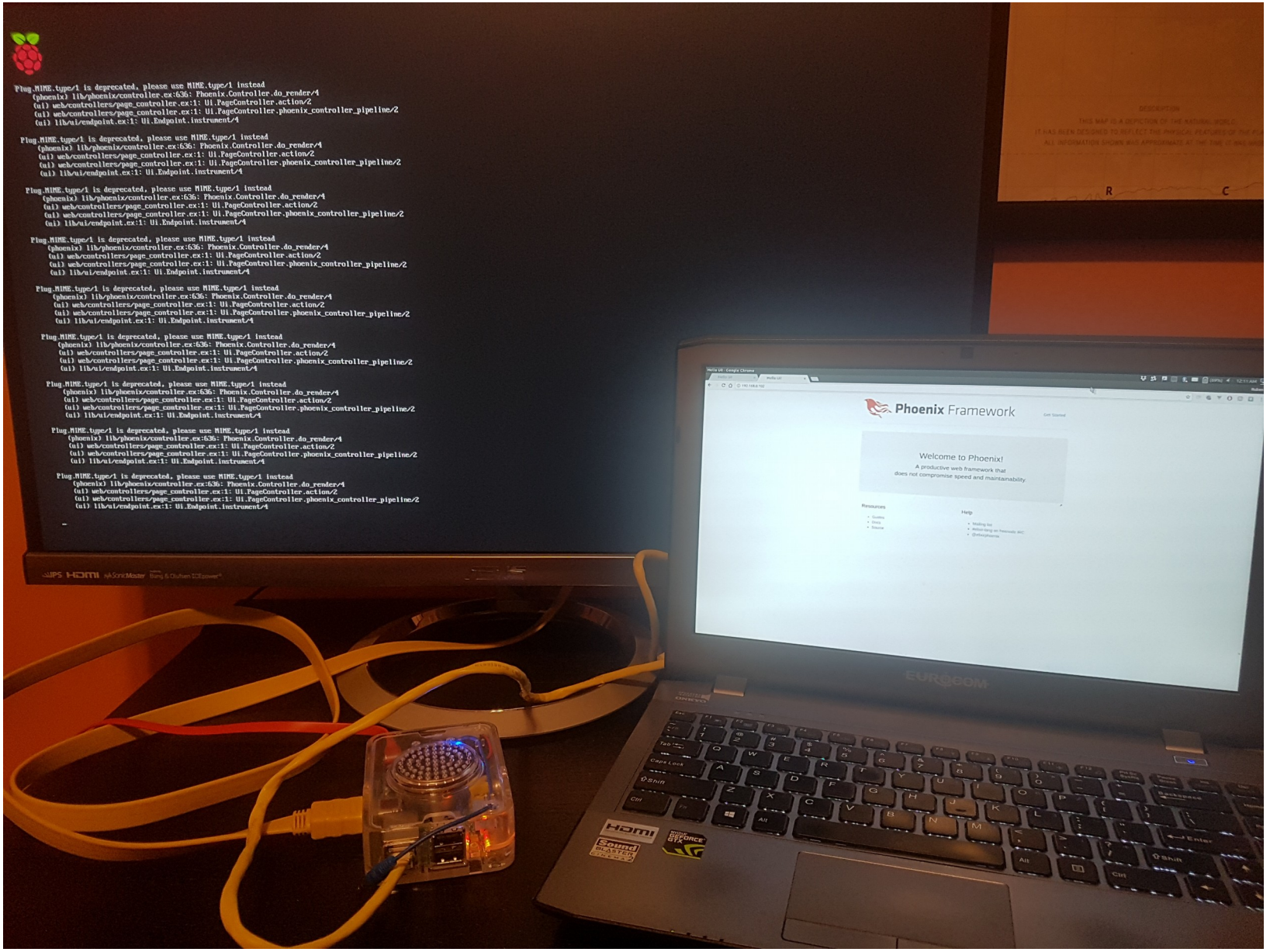
- Phoenix 1.4 is coming
  - Changed brunch for webpack
  - http2 support (not by default)

# Info

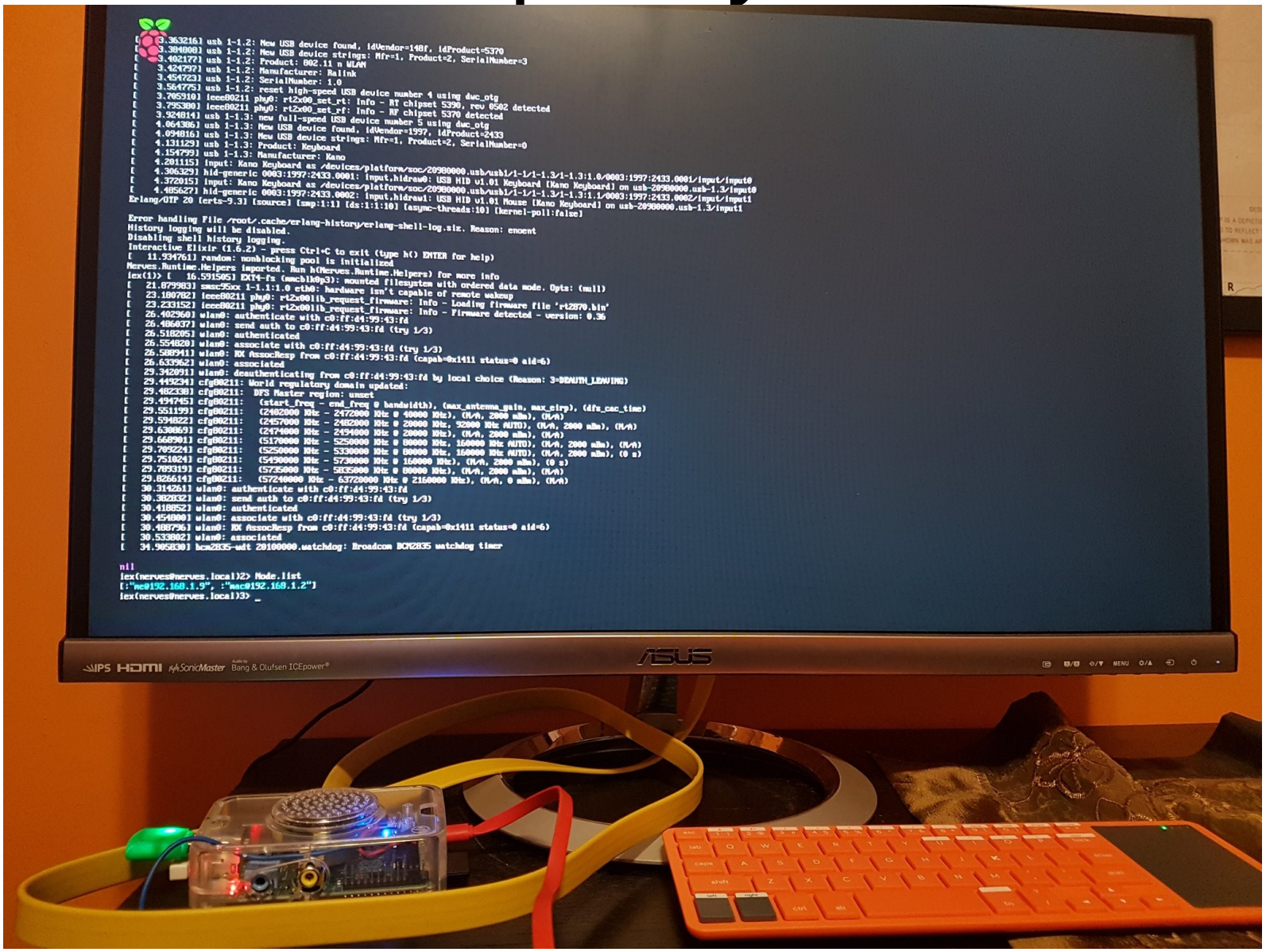
## Nerves 1.0 released (May 2nd 2018)



# Phoenix in Raspberry PI



# Wireless Node connection in Raspberry PI



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Secure | https://twitter.com/ramortegui/status/1001678861845876737

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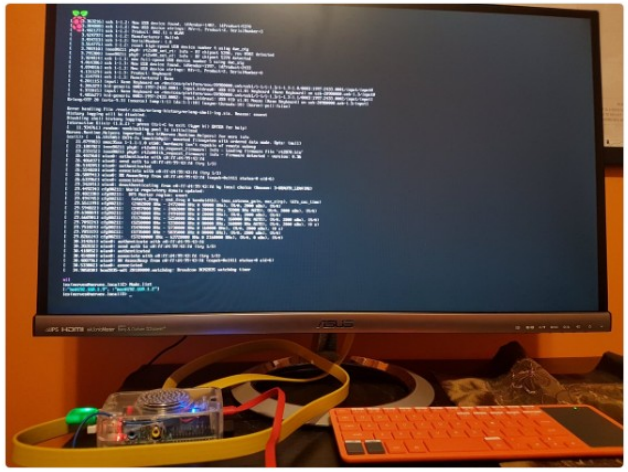
Running and connecting remotely iex sessions on #RaspberryPi using #nerves. #myelixirstatus



11:17 PM - 29 May 2018

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I know it's like asking about color scheme but what keyboard is that? :)

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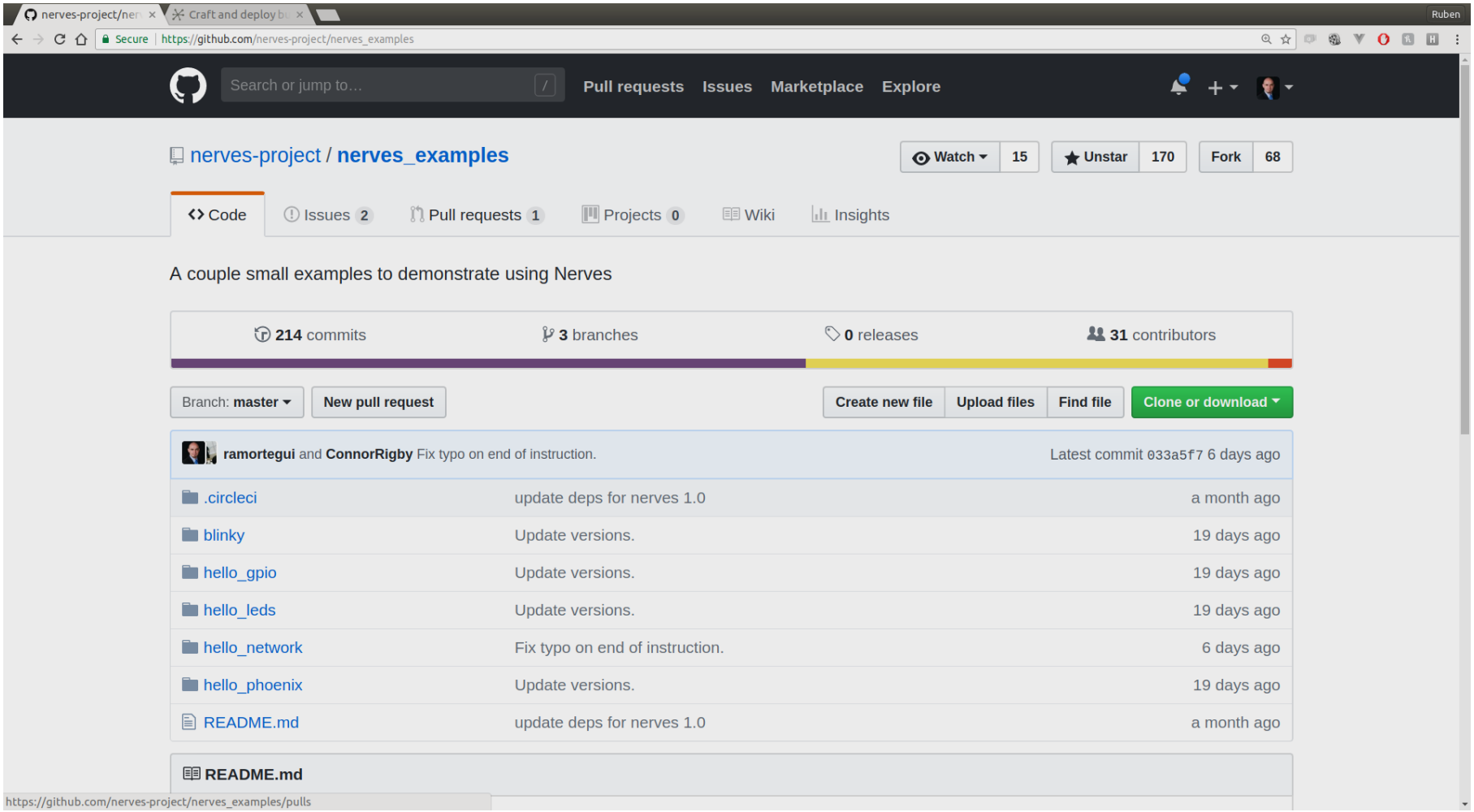
# Contribution to Nerves



# Talks Empex 2018

- Dave Thomas (Key Note)
  https://www.youtube.com/watch?v=6U7cLUygMeI
  - Architecture of projects in Elixirs

# Dave Thomas

- Author and/or co-author of different books on topics like: Ruby, Unit Testing, Agile Web Development, Programming Elixir, etc.
- Coined phrases: Code Kata, ‘DRY’

https://en.wikipedia.org/wiki/Dave_Thomas_(programmer)

# Katas

http://codekata.com/

- Practice session
- Simple thing to try
- It’s ok to make mistakes
- Feedback?
- Hard to practice in a project environment
- A good practice session will give you new knowledge

# Koans

http://codekata.com/kata/kata-kumite-koan-and-dreyfus/

- Are questions
- Used to break down assumptions
- Reveal underlying truths.
- The goal of a koan is not the answer, but thinking about the question.

# Where can we found Katas and/or Koans in Elixir?

- Katas
  - https://www.codewars.com
  - http://exercism.io/languages/elixir/about
  - http://github.com/elixircalgary/katas
- Koan
  - https://github.com/elixirkoans/elixir-koans

Thanks!

# Q & A?

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