A new contributor's experience in *learning Elixir* by Contributing

Montreal Elixir June 2017 by Meng Xuan Xia





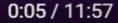
Learning Elixir by Contributing

by Joshua Nussbaum

May 10th 2017



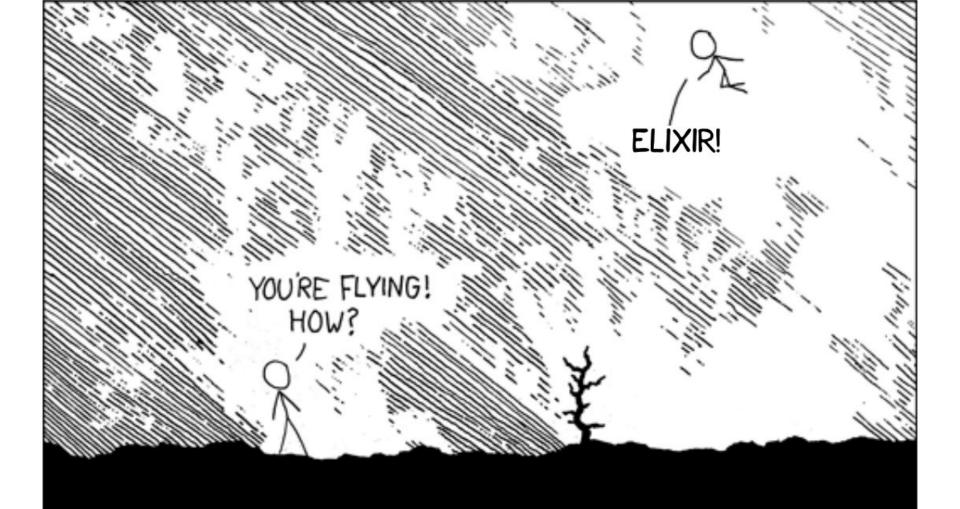


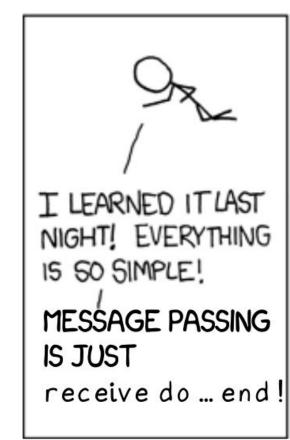




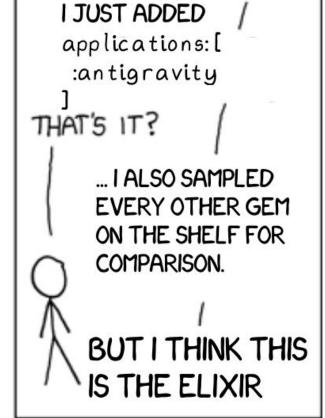












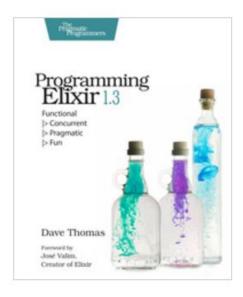
ORIGINAL https://xkcd.com/353/ ADAPTED BY MENG XUAN XIA Description

Preregs

Resources

Extracts

Author



Programming Elixir 1.3

Functional |> Concurrent |> Pragmatic |> Fun

by Dave Thomas

Explore functional programming without the academic overtones (tell me about monads just one more time). Create concurrent applications, but get them right without all the locking and consistency headaches. Meet Elixir, a modern, functional, concurrent language built on the rock-solid Erlang VM. Elixir's pragmatic syntax and built-in support for metaprogramming will make you productive and keep you interested for the long haul. Maybe the time is right for the Next Big Thing. Maybe it's Elixir. This book is *the* introduction to Elixir for experienced programmers, completely updated for Elixir 1.3.

Customer Reviews

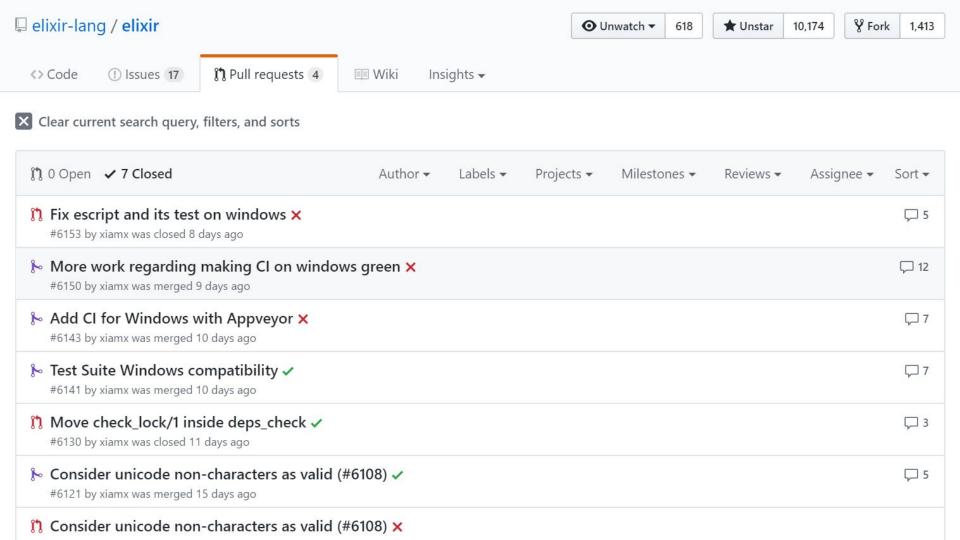
Dave Thomas has done it again. *Programming Elixir* is what every programming book aspires to be. It goes beyond the basics of simply teaching syntax and mechanical examples. It teaches you how to *think* Elixir.

- Bruce Tate

icanmakeitbetter.com; author

(!) 17 Open ✓ 2,721 Closed	Author ▼ Labels	▼ Projects ▼	Milestones ▼	Assignee ▼	Sort ▼
① Add Time.diff, Date.add and DateTime.diff App:Elixi	Kind:Enhan	cement			Ç⊐ 10
Level:Intermediate #6183 opened 4 hours ago by josevalim v1.5.0					
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Level:Intermediate #6178 opened 2 days ago by josevalim					
(1) cannot install archive directly from github: (Mix) httpc red App:Mix Note:Needs more info #6174 opened 4 days ago by ilgeering	uest failed with: {:ba	nd_status_code,	403}		, 1
① On Windows, make test leaves Erlang process running ever Kind:Chore Note:Windows #6149 opened 10 days ago by xiamx	en after "make.exe" f	erminates			Д 3
① String.split/2 is too slow with large strings App:Elixi	Kind:Chore				ÇI 12
Note:Discussion Note:Erlang bug					

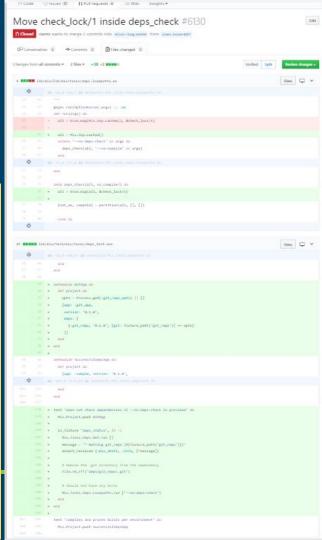
#6148 opened 10 days ago by waj



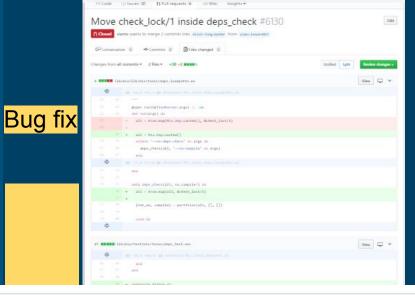
Emphasis on test cases

Bug fix

Test Case



Emphasis on test cases





josevalim commented 11 days ago





Unfortunately the test does not fail before your patch. So I believe we won't be actually quite able to test it without doing a lot of gymnastics, so I took only your first commit and wrote a simpler test. Thank you!













Identifying a theme to work on

Elixir test cases fail on Windows

Two issues:

Lack of Continuous Integration on Windows

Not sure if maintainers care









Insights -

Test Suite Windows compatibility #6141

№ Merged

josevalim merged 3 commits into elixir-lang:master from xiamx:windows_compatibility 10 days ago







-O- Commits 3



Files changed 3



xiamx commented 11 days ago

Contributor



+ (**)



Understandably development on Elixir language itself on

Windows is less tested because of personal preferences and lack of support in Travis Cl... I develop on Windows because I need to occasionally write some C#.

The current test suite does not pass in Windows. This pull request is aimed to address some issues in the test suite...



build passing

Elixir is a dynamic, functional language designed for building scalable and maintainable applications.

For more about Elixir, installation and documentation, check Elixir's website.

Compiling from source

To run Elixir from source, clone this repository to your machine, compile and test it:





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```
build passing hex v0.1.1 license MIT License
```

Elixir binding for Libpostal - a library for parsing/normalizing street addresses around the world. Powered by statistical NLP and open geo data.

```
def deps do
  [{:expostal, "~> 0.1.0"}]
end
```

Usage

Parsing an address:

```
iex> Expostal.Parser.parse_address("615 Rene Levesque Ouest, Montreal, QC, Canada")
%{city: "montreal", country: "canada", house_number: "615",
   road: "rene levesque ouest", state: "qc"}
```

Where can you start

There's one more Windows testsuite bug:

https://github.com/elixir-lang/elixir/issues/6149

Also checkout: Ecto, Gen Stage and Ex Doc

Contributing to Elixir is rewarding

Open minded and helpful community

Get mentorship from people who know the language and the ecosystem the best.

Learn the best practices

Questions?

Github: @xiamx

http://www.xiamx.me