

Stumbling off the Rails

Radan Skorić

**Raise your hand if
you use Rails?**

**Raise your hand if you
like working with Rails?**

**Raise your hand if you
dislike working with
Rails?**

**Raise your hand if you have
a complicated love hate
relationship with Rails that
if told to non developers
would probably make them
retreat in silence towards
the nearest exit?**

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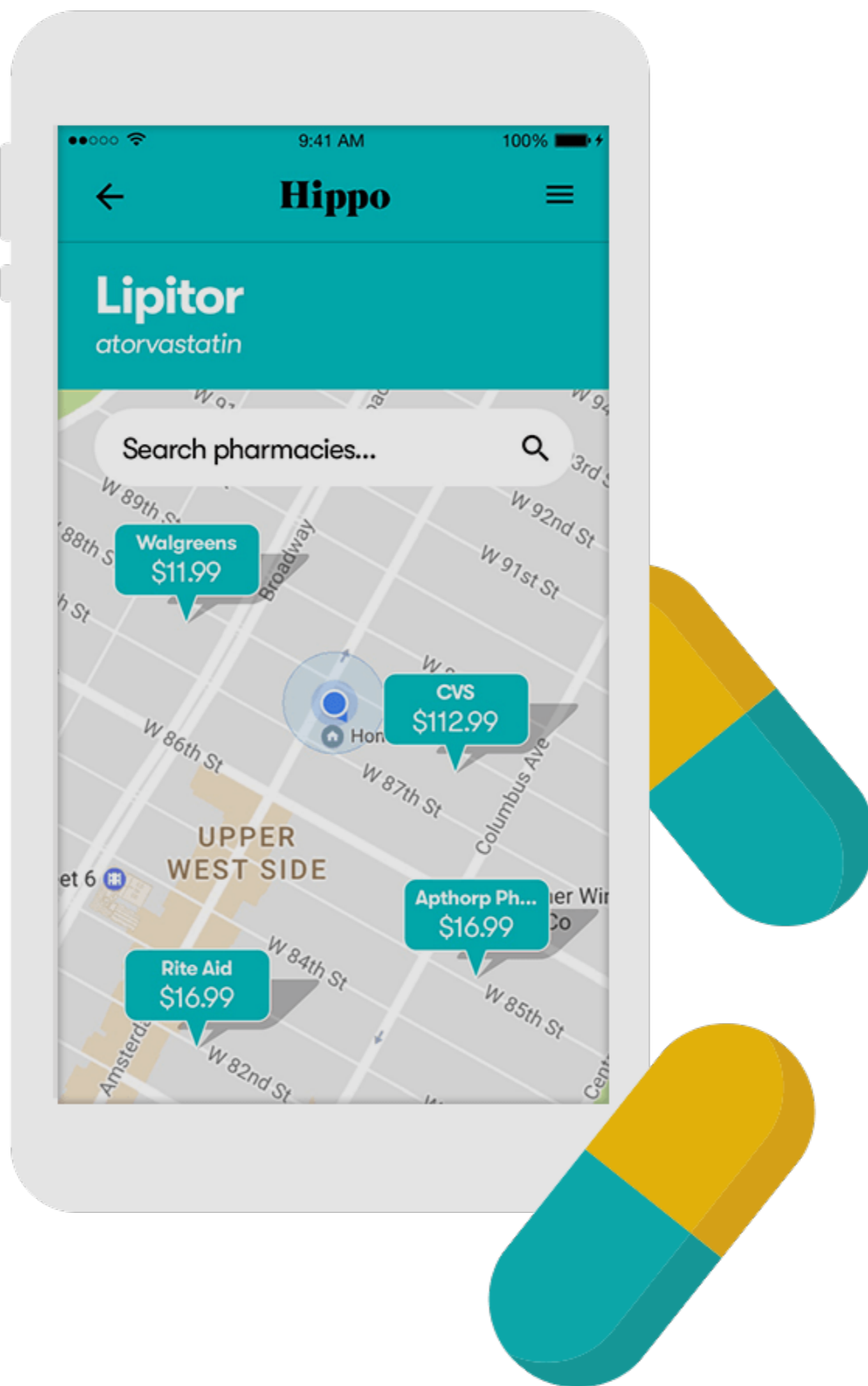
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UPPER
WEST SIDE

3 code results



hellohippo/platform – newrelic.yml

YAML

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```
23     log_level: info
24
25
26 # Environment-specific settings are in this section.
27 # RAILS_ENV or RACK_ENV (as appropriate) is used to determine the environment.
```



hellohippo/partnerships-web – webpackDevServer.config.js

JavaScript

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```
25     // remote code execution vulnerabilities in backends like Django and Rails.
26     // So we will disable the host check normally, but enable it if you have
```



hellohippo/rfcs – rspec.md

Markdown

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```
188 # good (make sure aggregate_failures is turned on in rails_helper)
189
190 RSpec.describe Client do
191   it 'returns a successful JSON response' do
```


My background

- 10 years of working with Rails
- Felt the joy
- Seen problems on large projects
- Looking around in my spare time (Hanami, dry-rb, ...)

dry-web-roda

1 min intro

- Talk to Janko Marohnić
- dry-rb family of gems
- ROM
- Sequel & Roda (jeremyevans)

The current app

- Mobile app, micro websites, 3rd party integrations and **platform, API backend application:**
 - Store
 - Customer Experience
 - PBM

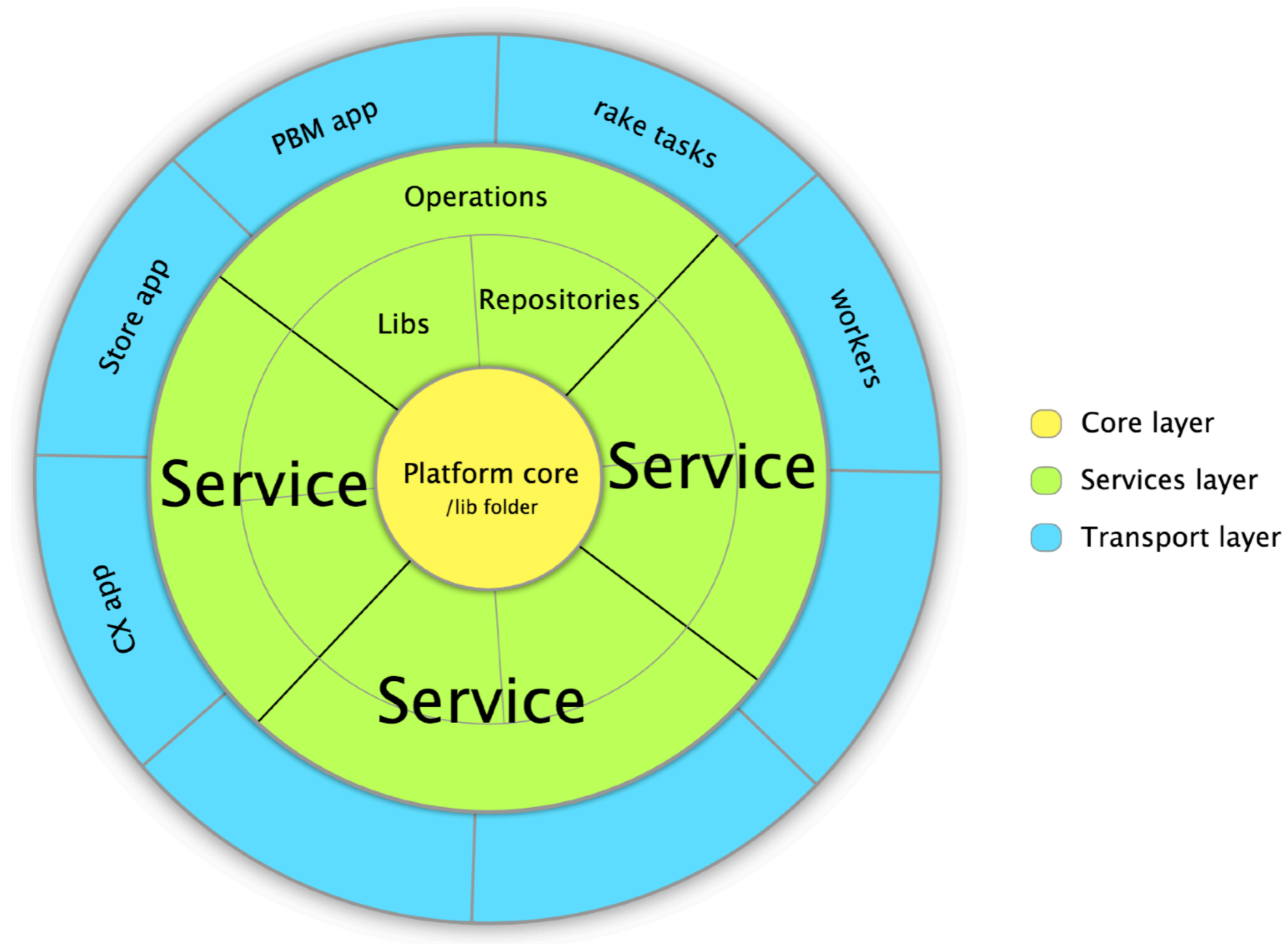
Frameworks and app structures

- Rails gives you a lot of structure
- Hanami gives you a different structure
- dry-web gives you no structure, just a toolkit

No app structure

- Pros: You can build a perfect architecture for your application and your team
- Cons:
 - Your app is probably not that special
 - New devs are lost, ramp up time is longer

Our architecture



Components

- Created on application start
- Registered into containers (think: hashes)
- Added with dependency injection approach (think: initializer params)
- Explicit dependencies between components (think: you only use what you get in the initializer)

Booting

```
Platform::Application.finalize :prescription_client do |container|
  init do
    case container.settings.prescription_client
    when :http
      require 'platform/clients/prescription/http'
      container.register :prescription_client_class, Platform::Clients::Prescription::Http
    when :mock
      require 'platform/clients/prescription/mock'
      container.register :prescription_client_class, Platform::Clients::Prescription::Mock
    else
      raise "Invalid Prescription Client type #{container.settings.prescription_client}"
    end
  end
end

start do
  client = container[:prescription_client_class].new(
    host: container.settings.prescription_service_host
  )
  container.register :prescription_client, client
end
end
```


Injection

```
# Load prescription from Prescription API
class LoadPrescription < Operation
  include Platform::Import[:prescription_client]

  def call(account_id:, code:, prescription_id:)
    response = prescription_client.get_prescription(id: prescription_id)

    return Failure(:cant_get_prescription) if response[:status] == :error

    Success(account_id: account_id, code: code, prescription: response[:message])
  end
end
```

[WIP][BUG] Dry::Transaction doesn't call parent initializer #93

 Open radanskoric wants to merge 1 commit into `dry-rb:master` from `radanskoric:call-parent-constructor`

 Conversation 2

 Commits 1

 Files changed 2



radanskoric commented 23 days ago

Contributor



The test on this PR will fail, that's expected. I first wanted to open an issue with just a script explaining repro steps but I found it easier to explain by adding a failing tests and also adding some comments directly in the code.

The bug: Currently, if a class includes `Dry::Transaction` it can't have any functionality relying on parent classes initializers being called because dry transaction doesn't call them.

Tooling issues

- Tasks we take for granted sometimes don't work
 - Example: `bin/rake db:create`
- 3rd party tools don't work by default
 - NewRelic is blind to roda endpoints

Gems support

- Rails is still king
 - Most gems are rails specific
- Some alternatives are even better
 - rodauth vs devise
 - you naturally go for the best gems

My advice on off Rails

- Some dry gems are useful anywhere
 - dry-monads, dry-type, dry-validation
- Try roda for small apps
- Try hanami before dry-web for larger apps

Thank you

<https://twitter.com/RadanSkoric>

**I don't actually use Twitter
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