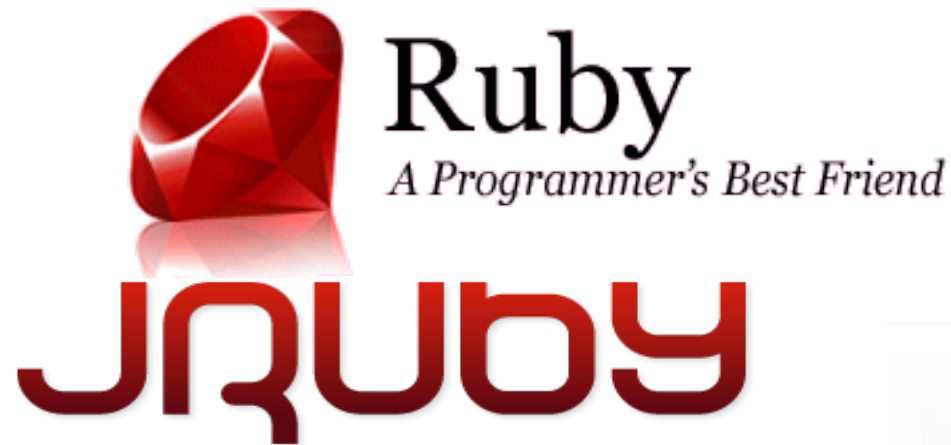# On the MagLev

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@jc00ke

What is MagLev?

Killer Feature?

Persistence

- baked in
- 25+ years old
- billion dollar tech

Other cool things?

- JP Morgan Chase uses Gemstone (Smalltalk) in their trading system
- OOCL uses it to track millions of shipping containers across the globe
- Some sweet data structures
  - IdentitySet
  - Bag/IdentityBag
  - Reduced Conflict structures
    - RCIdentityBag
    - RCQueue
    - RCCounter
    - RCKeyValueDictionary

How do you get it?

- rvm get head   #OMGLOLWAYNE
- rvm install maglev[latest-version]
- rvm use maglev
- maglev start
- irb
- maglev stop

What can you do with it?

Anything-ish

- still in alpha
- some parts of Ruby are not implemented
- C extensions are new
  - rdiscount installs
  - nokogiri does for the most part

Back to persistence

```
Maglev.peristent do
  require 'pet'
end
```

```ruby
class Pet
  include Tesla::Model

  attr_accessor :name
end
```

```
Maglev.abort_transaction

my_cat = Pet.new

my_cat.name = "Pierre"

my_cat.save

Maglev.commit_transaction
```

Sticky Issue

Persistable requires

Maglev.persistent do
  require "forwardable"
  require "my_persistence_lib"
end

How does this work in Rails? Devise? Other things you mix in?

Still need to figure this out.

How you can help

- Go check it out
  - http://maglev.gemstone.com
  - http://github.com/maglev/maglev
  - docs/ & examples/
- Ecin's persistable
  - https://github.com/ecin/persistable
  - http://copypastel.com/rofl/A_Maglev_Store-y (broken)
- Tesla
  - https://github.com/jc00ke/tesla (haven't worked on it in a while)
- IRC (quiet, though @brixen did say something once)
  - #maglev-ruby