

12.–15.09.2010
in Nürnberg



Herbstcampus

Wissenstransfer
par excellence

V32

Tricks of the Trade

Ein persönlicher Einblick in die Werkzeugkiste eines Entwicklers

Hardy Ferentschik

JBoss Community

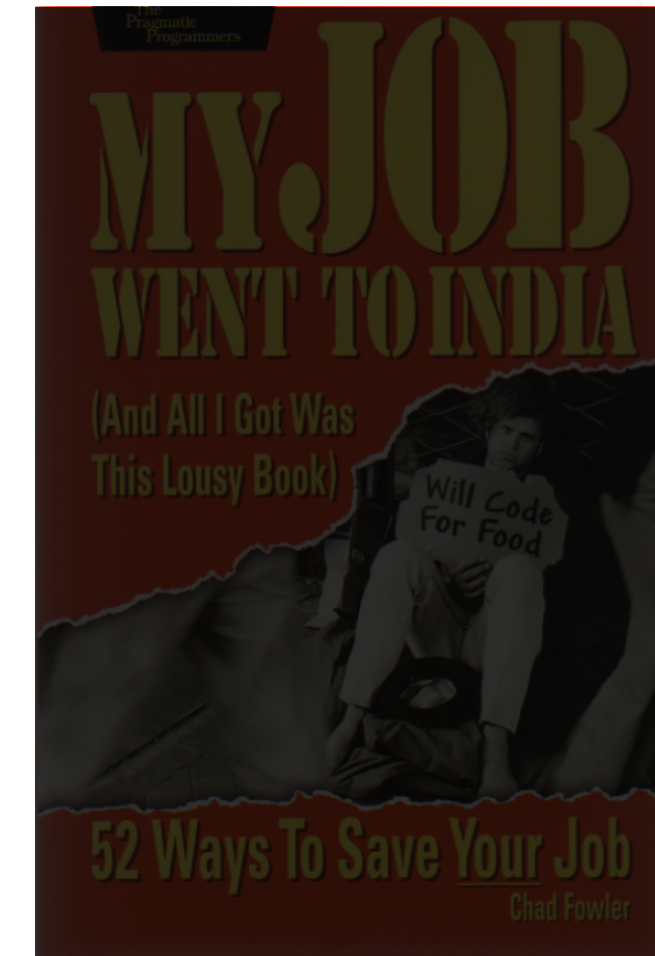
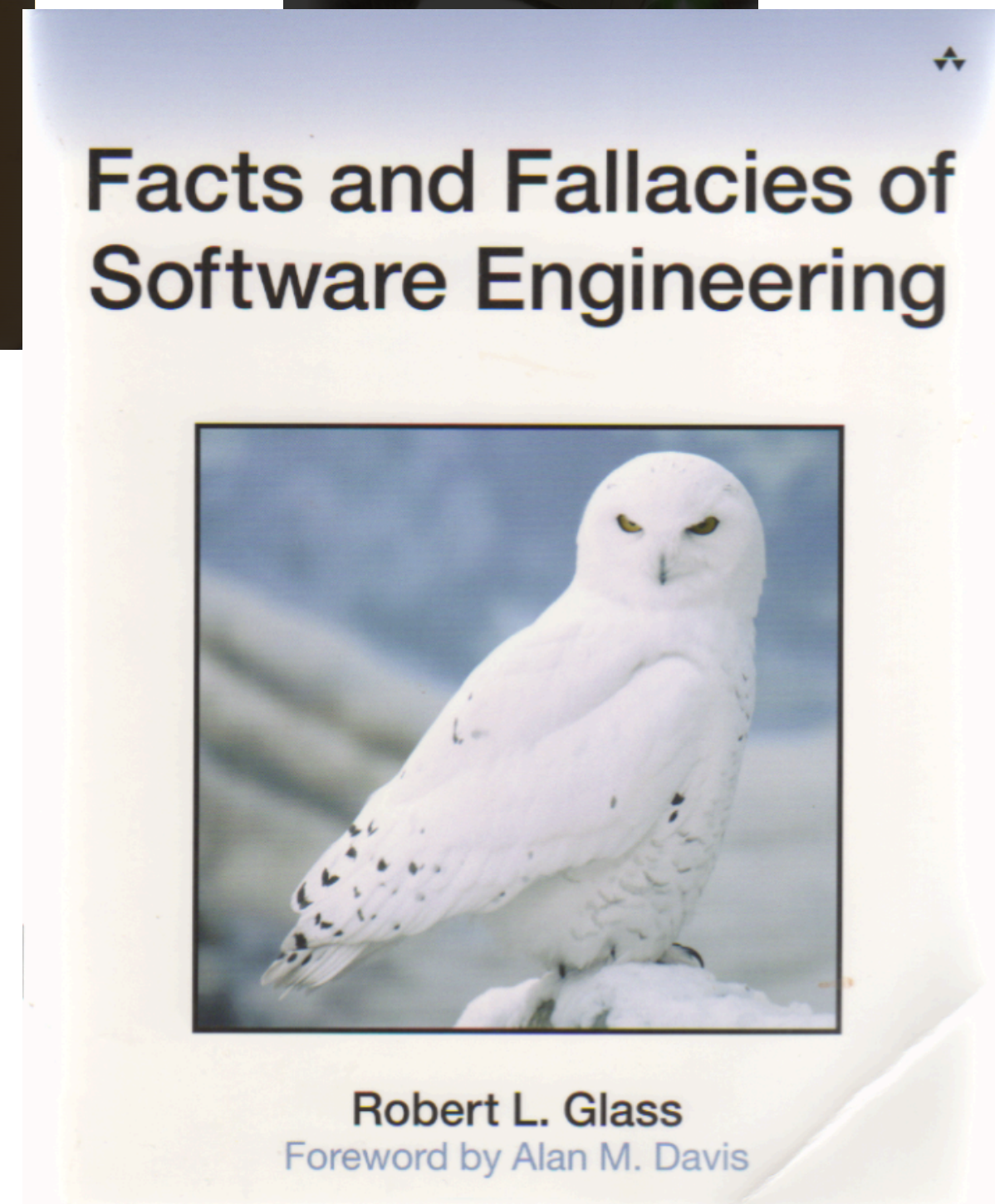
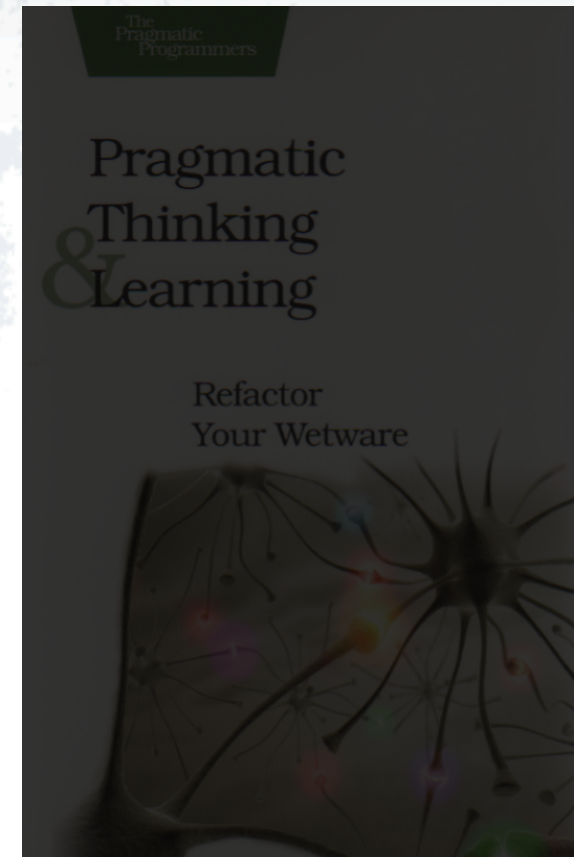
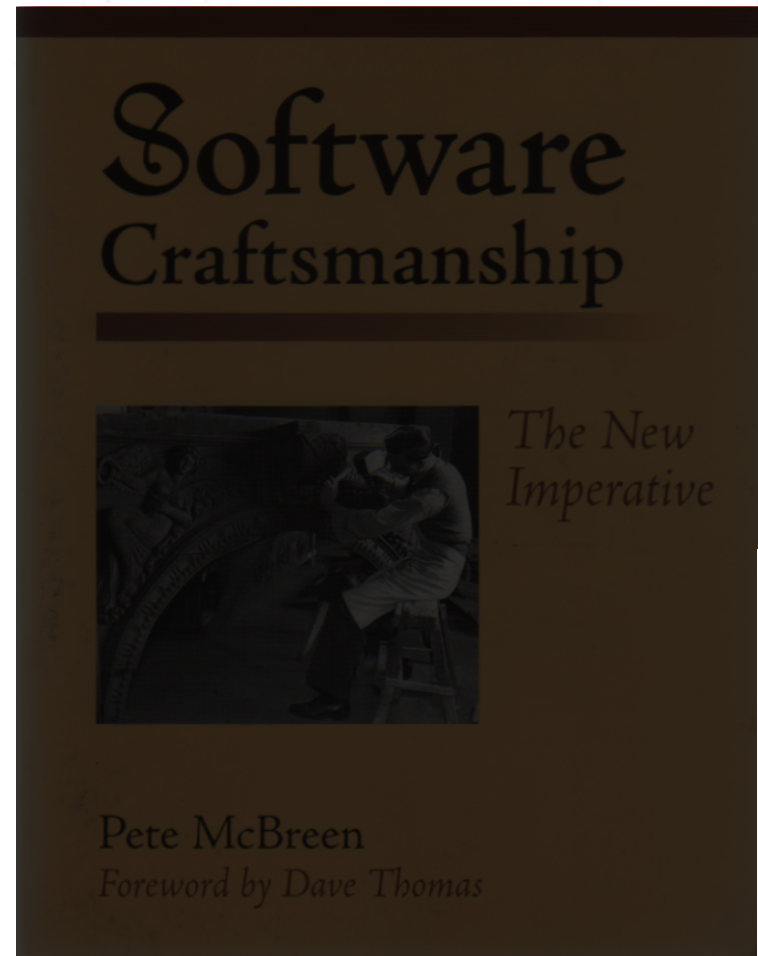


A look into my toolbox

About me

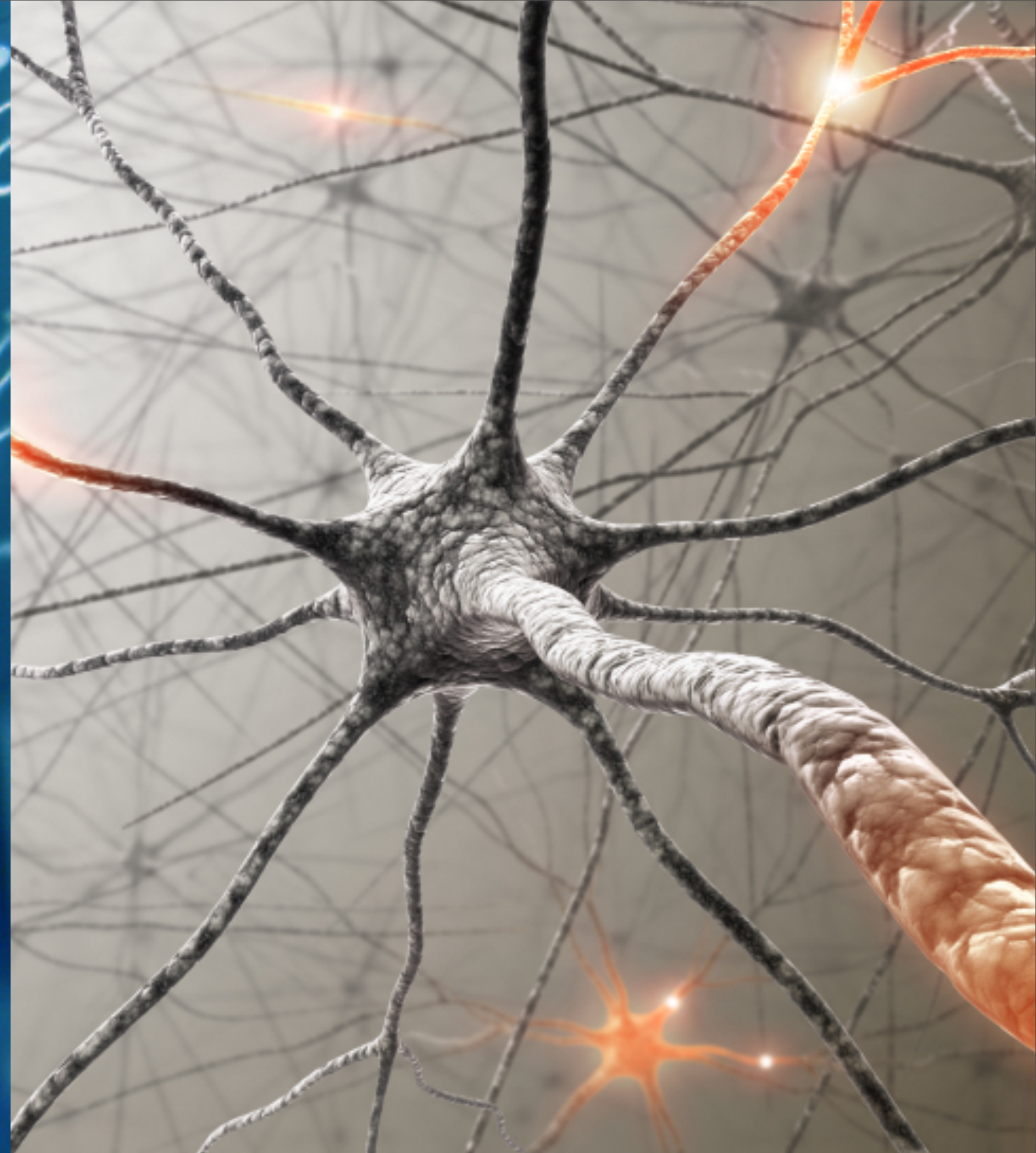
- Currently part of the Hibernate Team w/ focus on Validator and Search
- Over ten years experience in software development
 - ➔ Worked for small (10), medium (100) and big (3000+) companies
 - ➔ Have been everything from Team Lead to System Administrator
 - ➔ Developed in C++, Perl, Ruby, ... and of course Java
- Software Craftsman







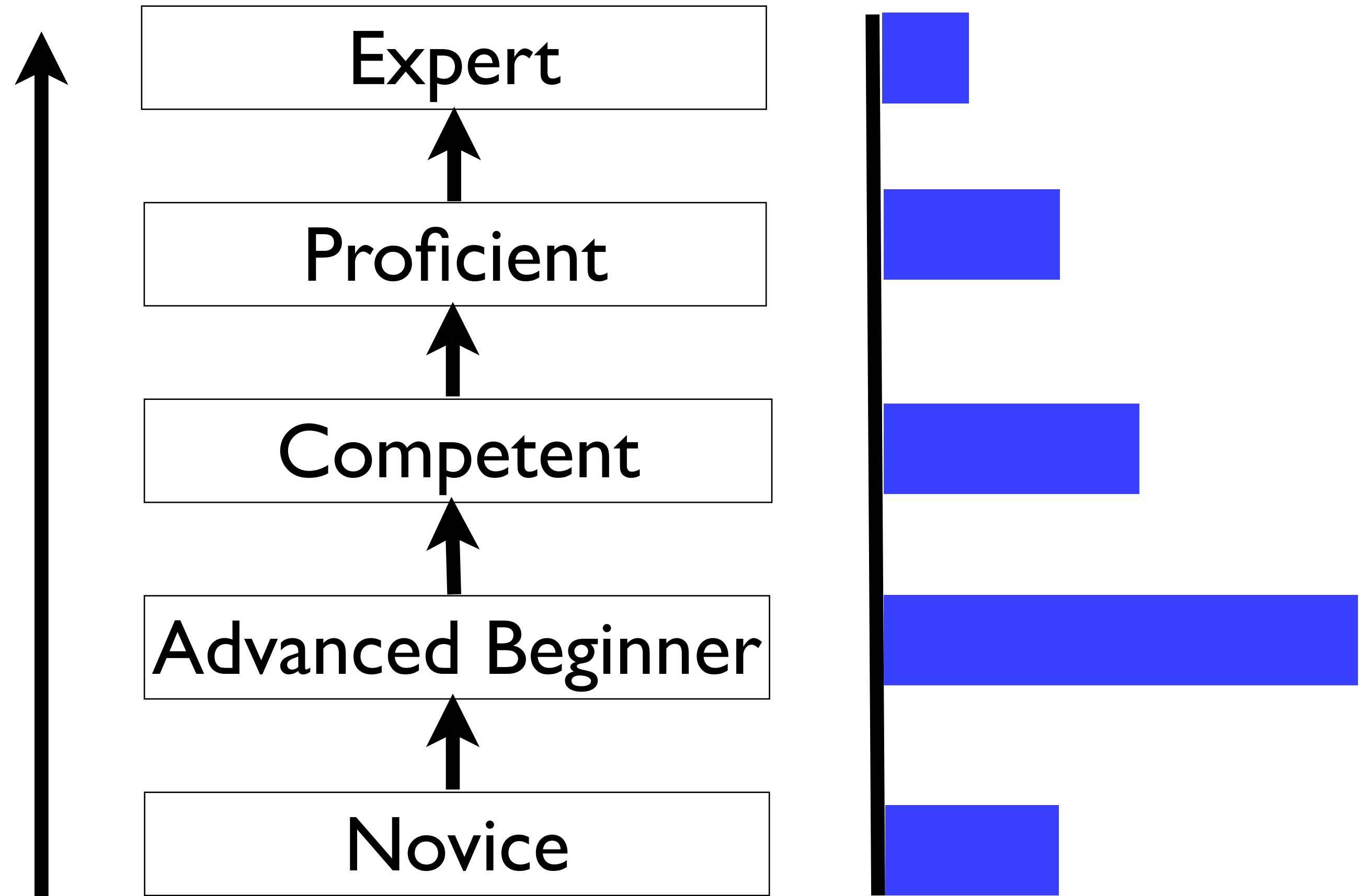
JBoss Community



Need to understand our tools

and ourselves!

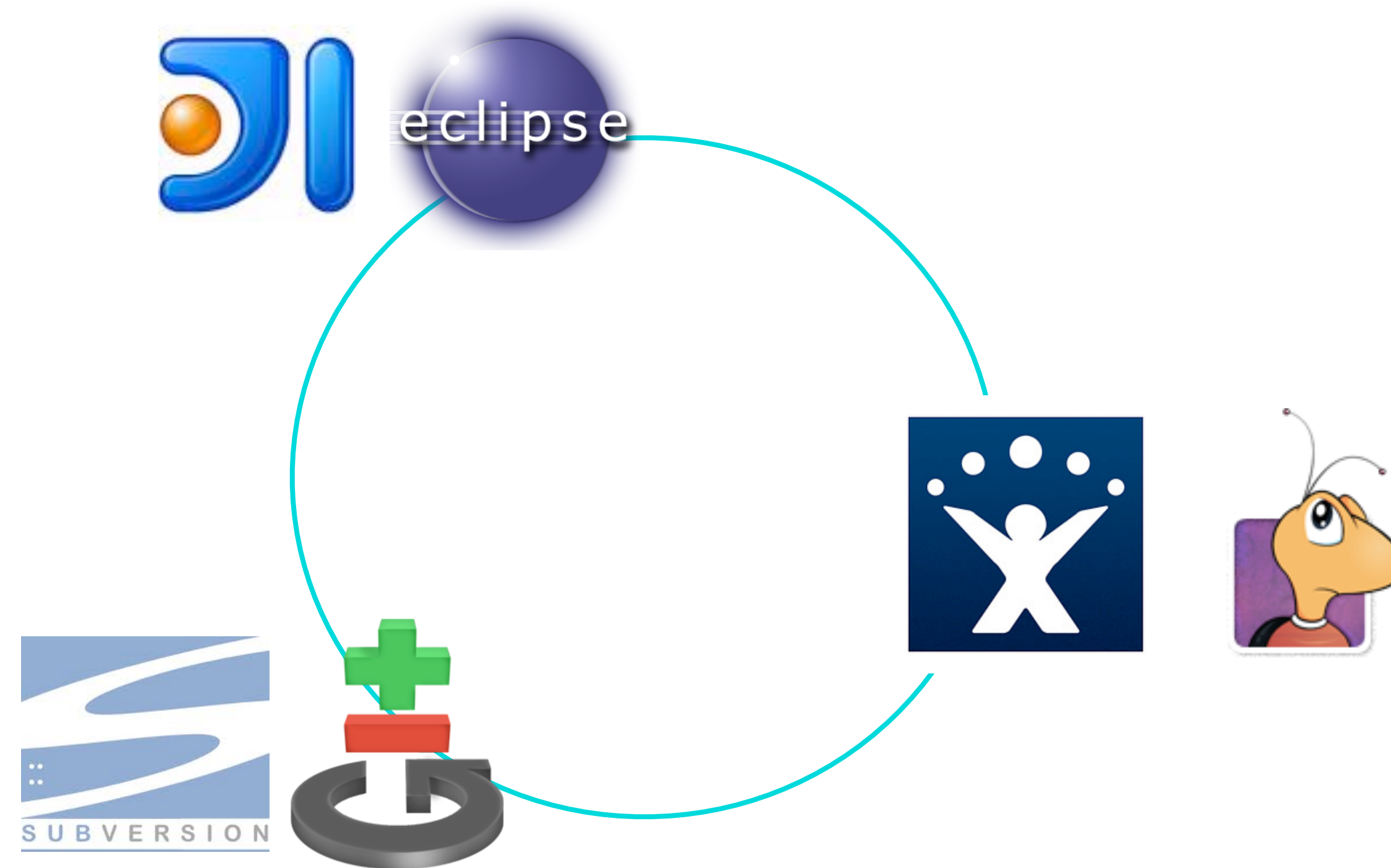
Dreyfus Model



Practice Practice Practice

Be a specialist!

Know the basics



Resurrect deleted files

```
svn delete foo.txt  
svn commit -m "delete foo"
```

```
svn log -v  
svn copy svn://localhost/test/foot.txt@336 ./foo.txt
```

```
git rm foo.txt  
git commit -m "delete foo"
```

```
git rev-list -n 1 HEAD -- foo.txt  
git checkout b193eecf895e45b4f875eb4e6030f2c2e9fac897^ -- foo.txt
```

Hudson

[New Job](#)
[Manage Hudson](#)
[People](#)
[Build History](#)
[Project Relationship](#)
[Check File Fingerprint](#)

Build Queue
 No builds in the queue.

Build Executor Status

#	Status
1	Idle

All	HCore	HMetamodelGenerator	HSearch	HValidator	+
S	W	Job ↓	Last Success	Last Failure	Last Duration
		HCore	2 days 5 hr (#126)	N/A	9 min 1 sec
		HCore SNAPSHOT	5 mo 29 days (#1)	N/A	47 min
		HCore_SONAR	10 days (#9)	1 mo 15 days (#7)	32 min
		HMetamodelGenerator	10 days (#45)	N/A	1 min 42 sec
		HMetamodelGenerator SNAPSHOT	4 mo 1 day (#15)	5 mo 22 days (#13)	2 min 4 sec
		HMetamodelGenerator SONAR	10 days (#3)	N/A	2 min 50 sec
		HSearch	1 hr 57 min (#101)	N/A	3 min 32 sec
		HSearch SNAPSHOT	4 mo 1 day (#15)	4 mo 1 day (#14)	5 min 37 sec
		HSearch-SONAR	2 hr 6 min (#16)	N/A	8 min 41 sec
		HValidator	11 days (#107)	4 mo 2 days (#82)	3 min 1 sec
		HValidator RELEASE	2 mo 4 days (#6)	2 mo 4 days (#5)	9 min 0 sec
		HValidator SNAPSHOT	2 mo 27 days (#20)	4 mo 2 days (#17)	4 min 33 sec
		HValidator SONAR	1 mo 9 days (#31)	2 mo 17 days (#26)	3 min 20 sec



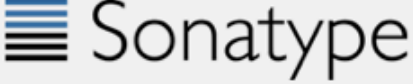
Icon: [S](#) [M](#) [L](#)

[Legend](#) for all for failures for just latest builds

Sonatype Nexus Maven Repository Manager

127.0.0.1 Work HardyOnline HardysBookmarks Most Visited Add Site to Commun... Site5 Backstage :: Ac... Readability

Sonatype Nexus Maven Repository...

 Sonatype Log In
Sonatype Nexus™ Open Source Edition, Version: 1.6.0

Sonatype™ Servers

- Nexus
- Artifact Search
 -
 - Advanced Search
- Views/Repositories
 - Repositories
- Help

Welcome

Nexus

Type in the name of a project, class, or artifact into the text box below, and click Search. Use "Advanced Search" on the left for more options.

Sonar

http://localhost:8082/sonar/

127.0.0.1 Work HardyOnline HardysBookmarks Most Visited Add Site to Commun... Site5 Backstage :: Ac... Readability

Home Search Configuration Log In

Projects Dependencies

sonar

Name	Rules compliance	Coverage	Build time	Links
Hibernate Validator Aggregator	92.4%	71.3%	2010-07-12	
Hibernate Search Aggregator	85.3%	67.7%	15:41	
Hibernate Core Aggregator	82.9%	14.0%	2010-08-09	
Hibernate JPA 2 Metamodel Generator	89.0%	39.6%	2010-08-09	

Alerts feed

Hibernate Core Aggregator

Size

Lines of code

Color 0.0% 100.0%

Rules compliance

Powered by SonarSource - Open Source LGPL - v.2.1.2 - Plugins - Documentation - Ask a question - Bug/feature request

Find: Next Previous Highlight all Match case

Done FoxyProxy: Disabled

Be a generalist!

login

bash

bash

```
Last login: Wed Aug 18 15:49:50 on ttys005
```

```
source hardy's bashrc
```

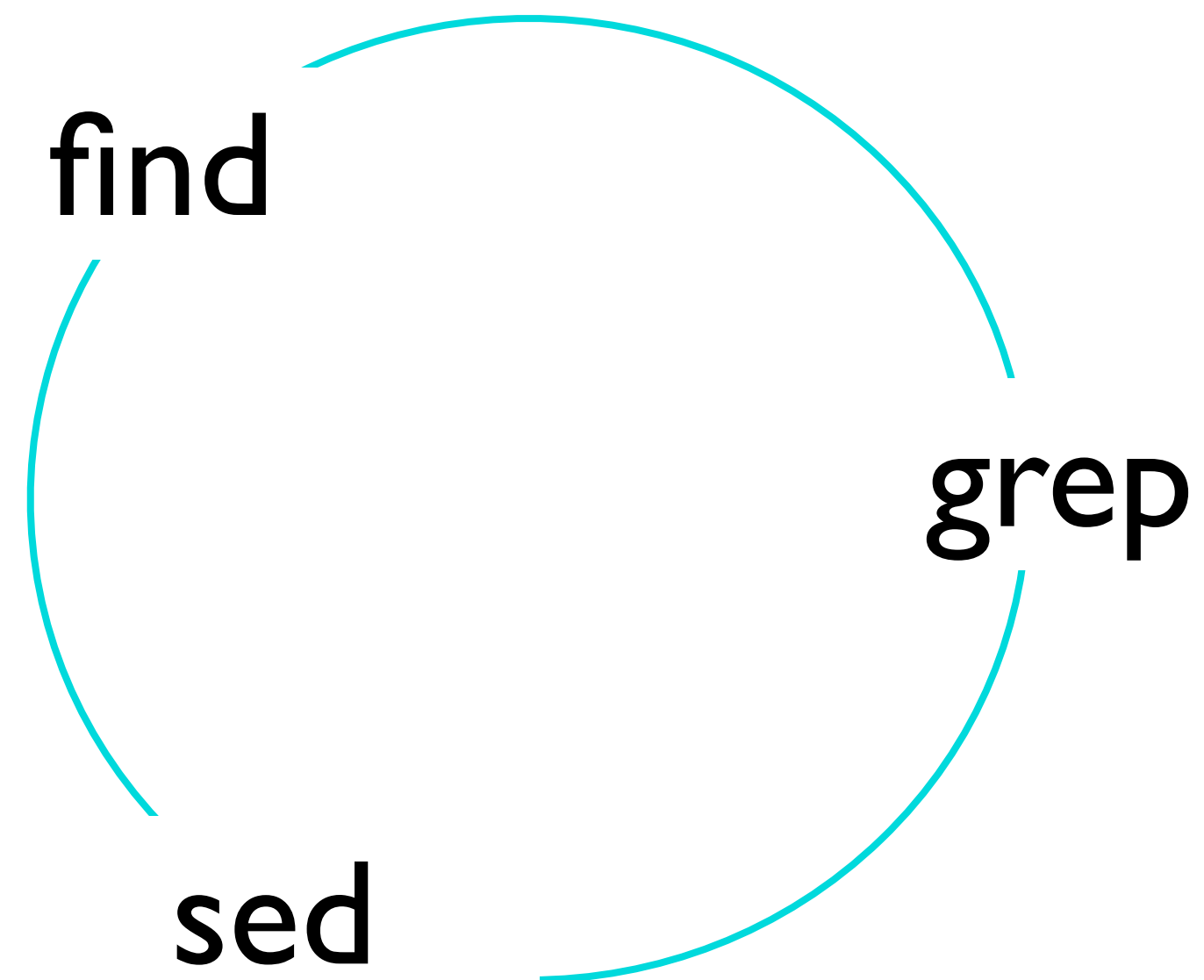
```
sourcing hardy's .alias
```

```
hardy@aleppo:~
```

```
501$ █
```

Know your bash ;-)

If I had to choose ...



Problem

Find all jar files in your JBoss installation
containing a given class

Possible solution

```
function findClass()
{
  for i in `find $1-name "*"*.jar";
    do count=$(jar -tvf $i | grep -c ".class") ;
    if [ "$count" -gt "0" ]; then echo "Match in $i" ;
    fi;
  done
}
```

- or use JBoss Tattletale :-)

Keep solutions log!

- Text files
- Wiki

On the shoulders of giants

- refcardz.dzone.com
- stackoverflow.com
- [JavaSpecialists](http://JavaSpecialists.com)

- JUGs
- JUDCon (next 7/8 of October, Berlin)
- Create a Mastermind Group



SPEED
LIMIT
25

**WRONG
WAY**

NO
TURN
ON
RED
6AM-9AM
MON-FRI

Park PL 4100 ←



NO
PARKING
ON
BRIDGE

ONE WAY →

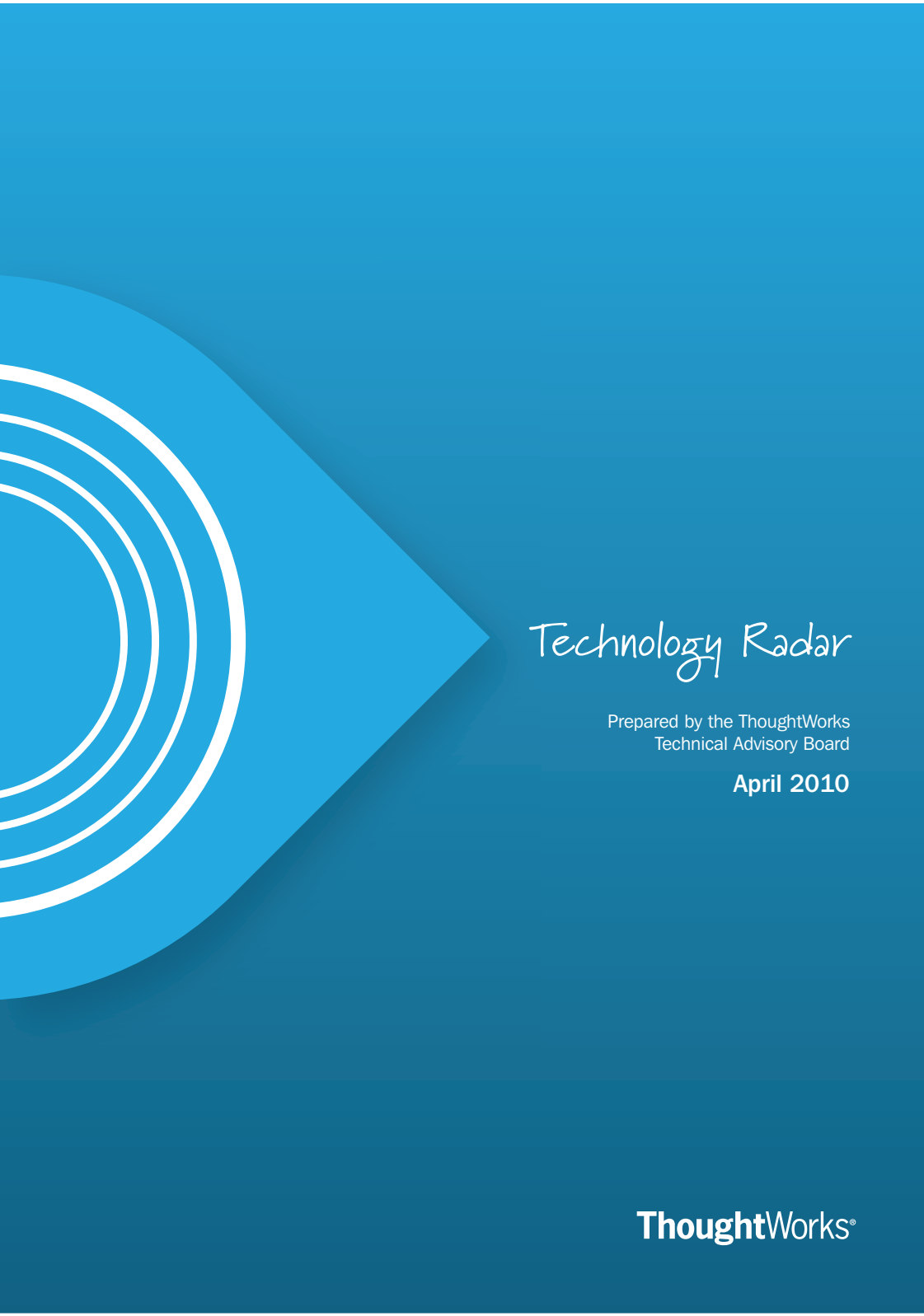


SPEED
CHECKED
BY
RADAR

NO
SKATEBOARDING
OR
ROLLERBLADING

UNAUTHORIZED VEHICLES
NOT DISPLAYING
DISTINGUISHING PLACARDS
OR LICENSE PLATES ISSUED
FOR DISABLED PERSONS
WILL BE TOWED AWAY
AT OWNER'S EXPENSE.
TOWED VEHICLES
MAY BE RECLAIMED AT
OR BY TELEPHONING

STREET
SWEEPING
3rd
MONDAY
EVERY MONTH
7AM - 10AM



Technology Radar

Prepared by the ThoughtWorks
Technical Advisory Board

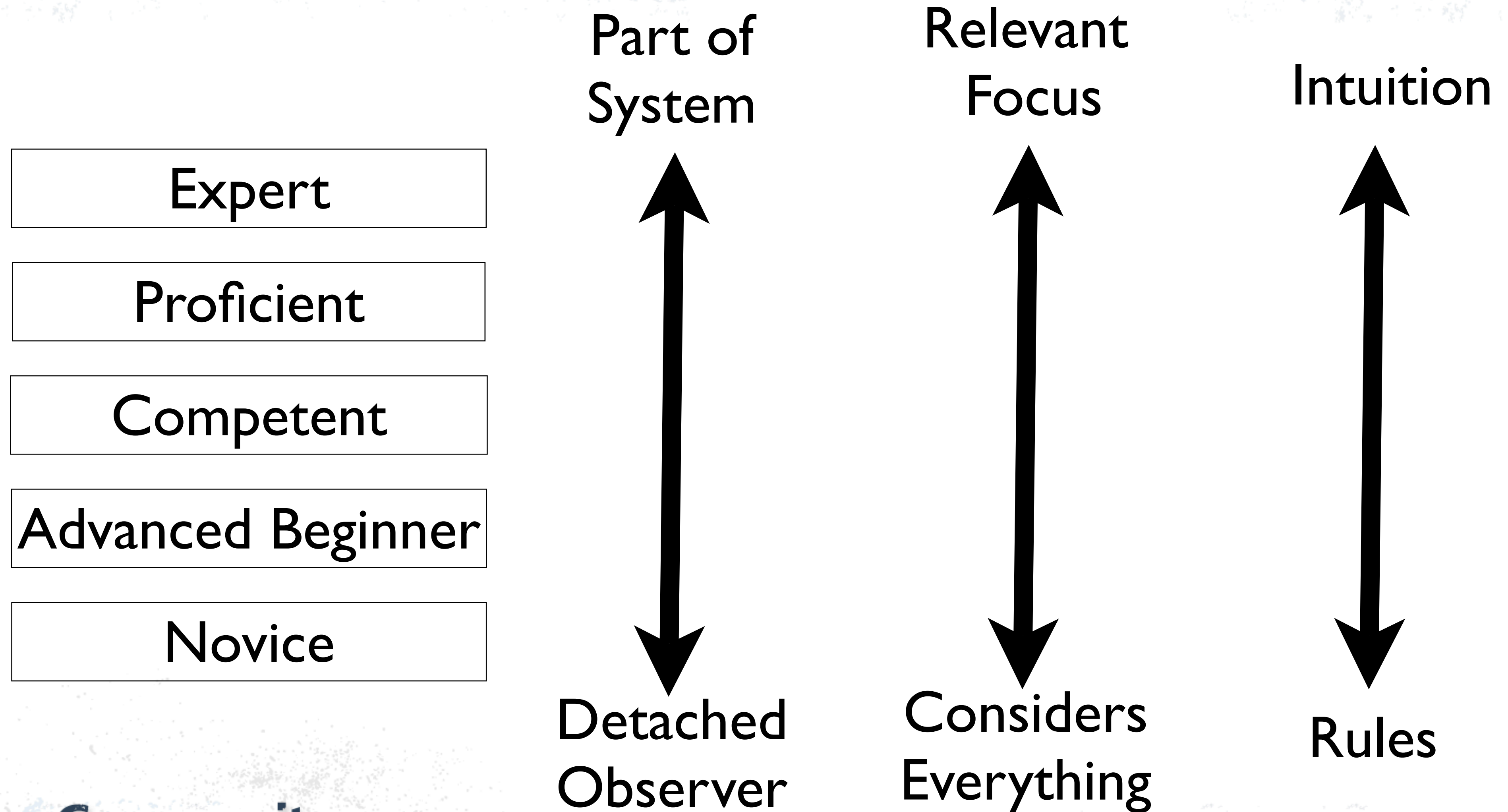
April 2010

ThoughtWorks®

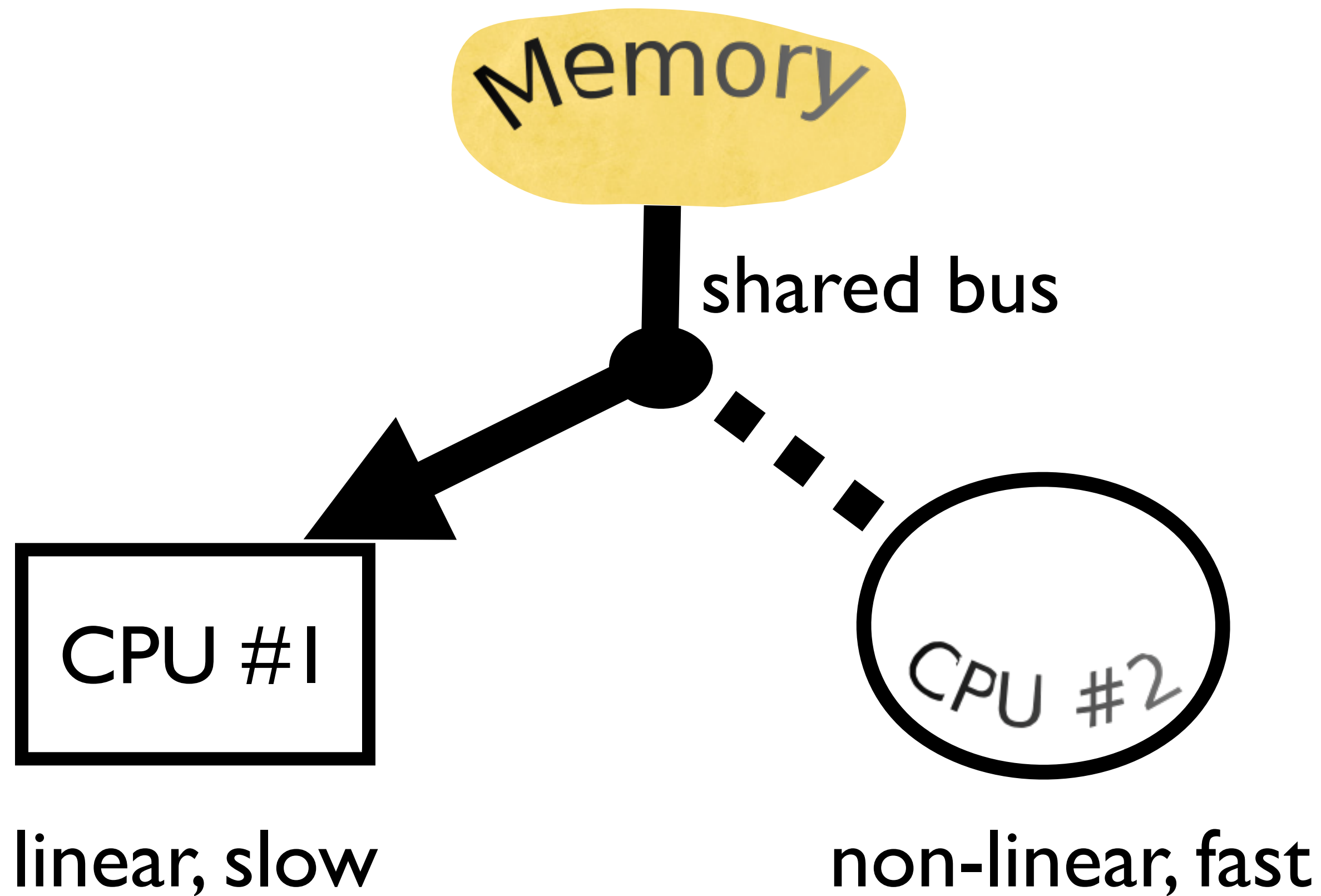
Learn to unlearn

- “*Just*” reading is not enough
- Need to form your own judgements by experimenting and building throw away code
 - ➔ Singleton pattern - good or evil !?
 - ➔ svn vs. git
 - ➔ Coding Katas

From Novice to Expert



L + R modes



L and R characteristics

- Verbal
- Analytic
- Symbolic
- Abstract
- Rational
- Logical

L

- Non-verbal
- Synthetic
- Concrete
- Analogic
- Non-rational
- Intuitive

R

Capture insight 24x7

- Pen and notepad
- Mindmaps
- Remember the Milk

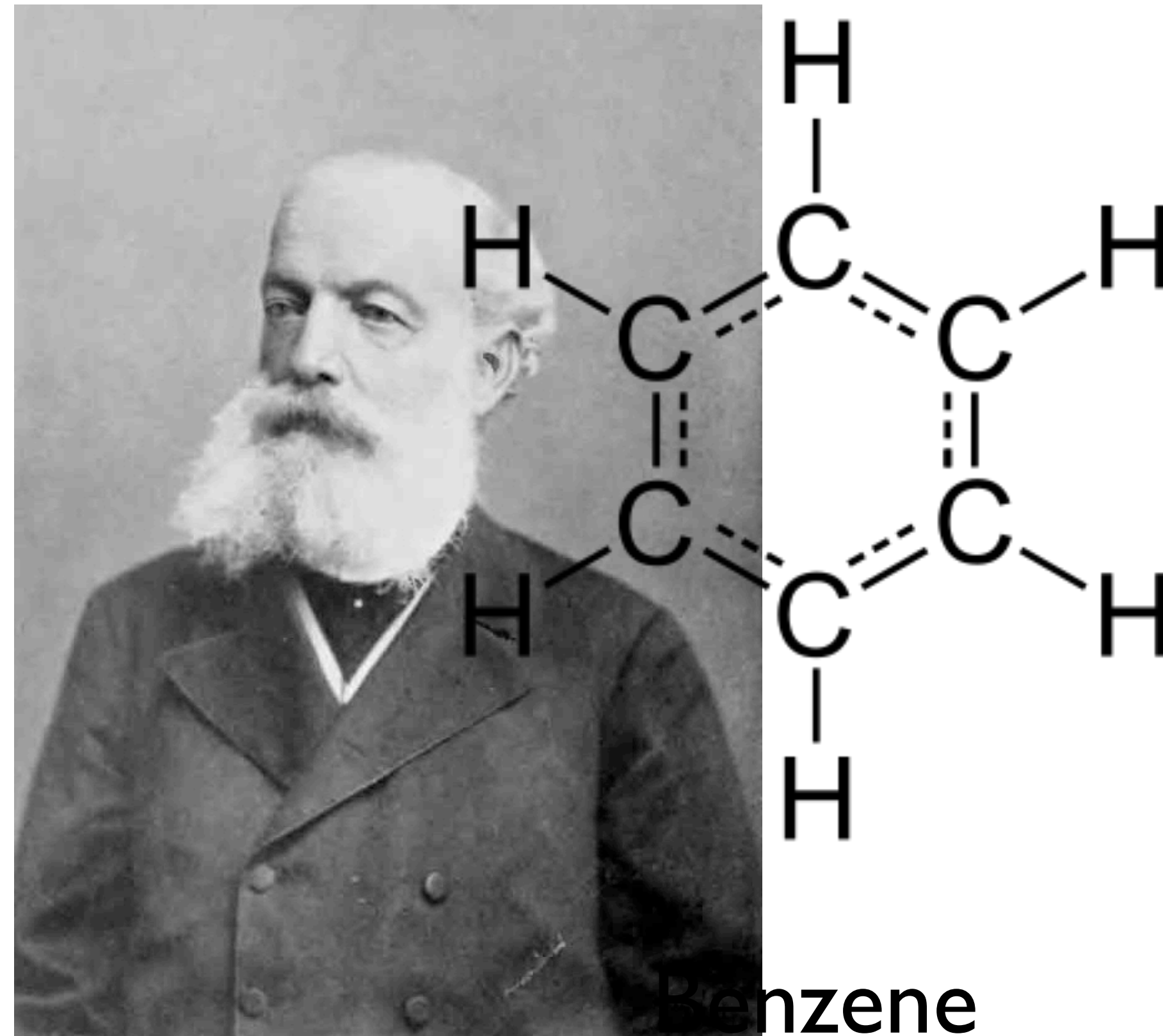


Feed the \mathcal{R} mode

- Try to find and use metaphors
- Free-Form Journaling
 - ➔ Write Drunk, Revise Sober
 - ➔ Morning Pages Technique
 - ➔ Fieldstone method
- Change your routines
 - ➔ Change your neural wiring
- Go for a walk!

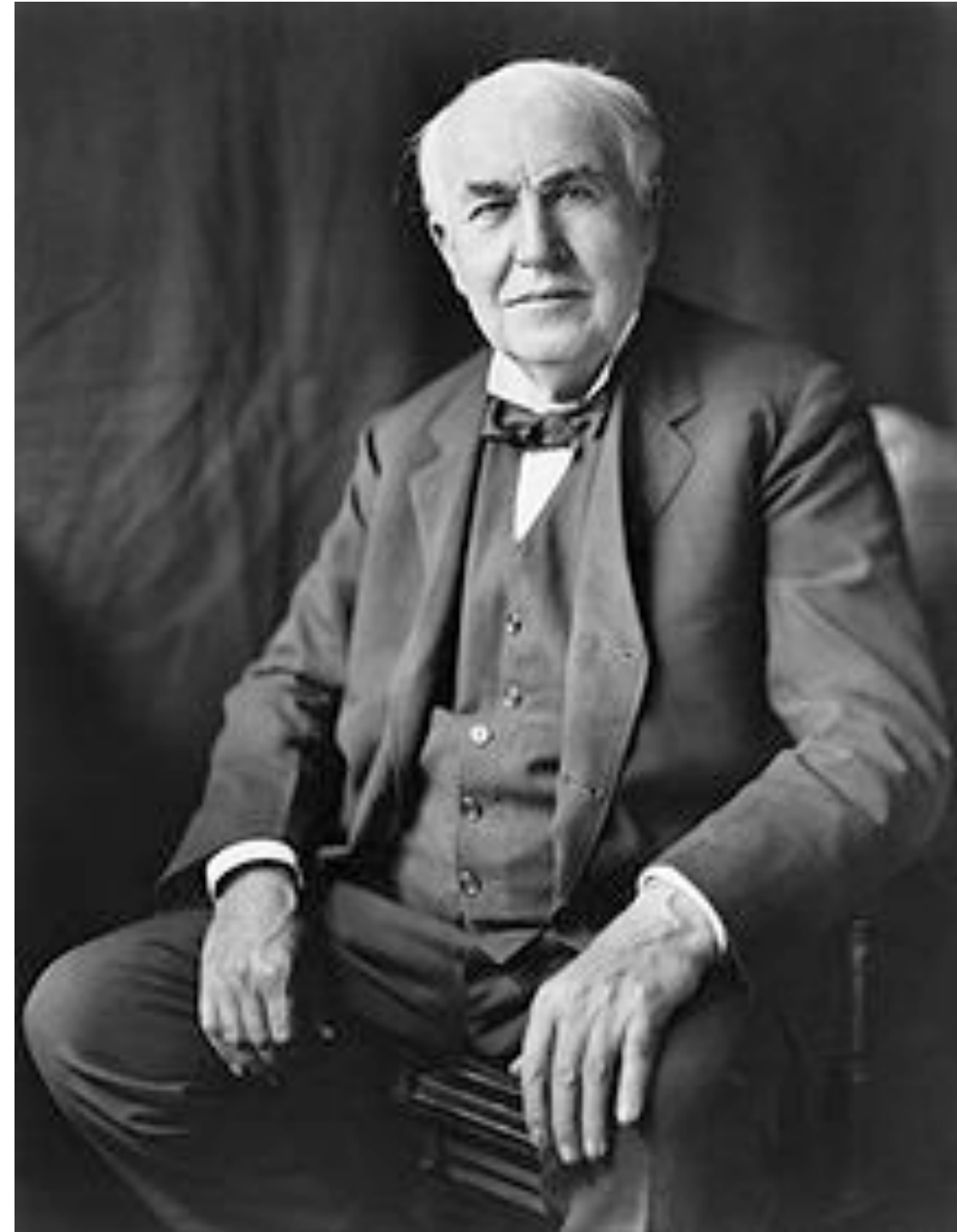


Friedrich August Kekule





Thomas Edison



Q + A

Want to know more?

- Pragmatic Thinking & Learning, Andy Hunt
- Practices of an Agile Developer, Venkat Subramaniam
- My Job Went to India, Chad Fowler
- Software Craftsmanship, Pete McBreen

Links

- <https://hudson.dev.java.net>
- <http://nexus.sonatype.org>
- <http://www.sonarsource.org>
- <http://refcardz.dzone.com>
- <http://stackoverflow.com>
- <http://www.javaspecialists.eu>
- <http://www.mindnode.com>
- <https://www.rememberthemilk.com>
- <http://www.thoughtworks.com/radar>