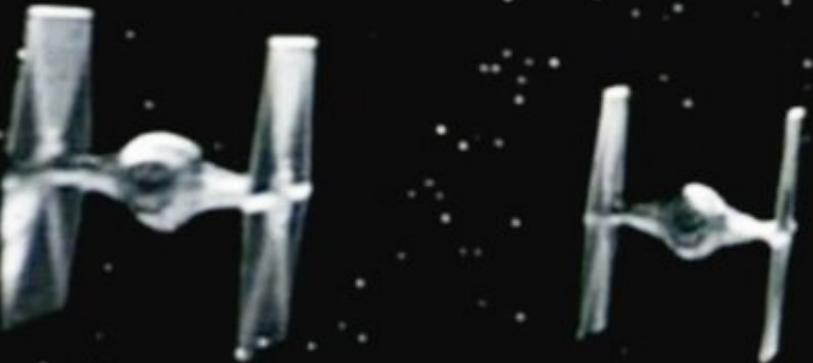


# TESTDRIV DIN DATABAS



In reply to Alberto Brandolini



**Mathias Verraes** @mathiasverraes · Mar 19

. @ziobrando Here's a diagram of two microservices and their shared database.

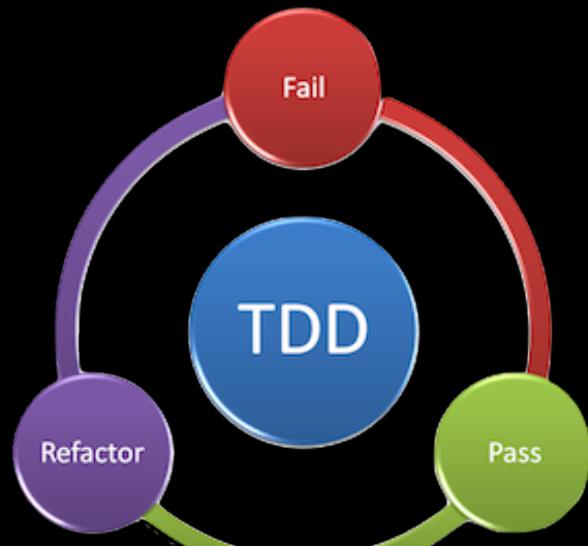


**Alberto Brandolini** @ziobrando · Mar 19

OH: "We're going on a **microservices architecture**. On a shared **database**."  
:-0

Jonas Andersson  
@UMECON.se  
@tradjonas  
@umejug



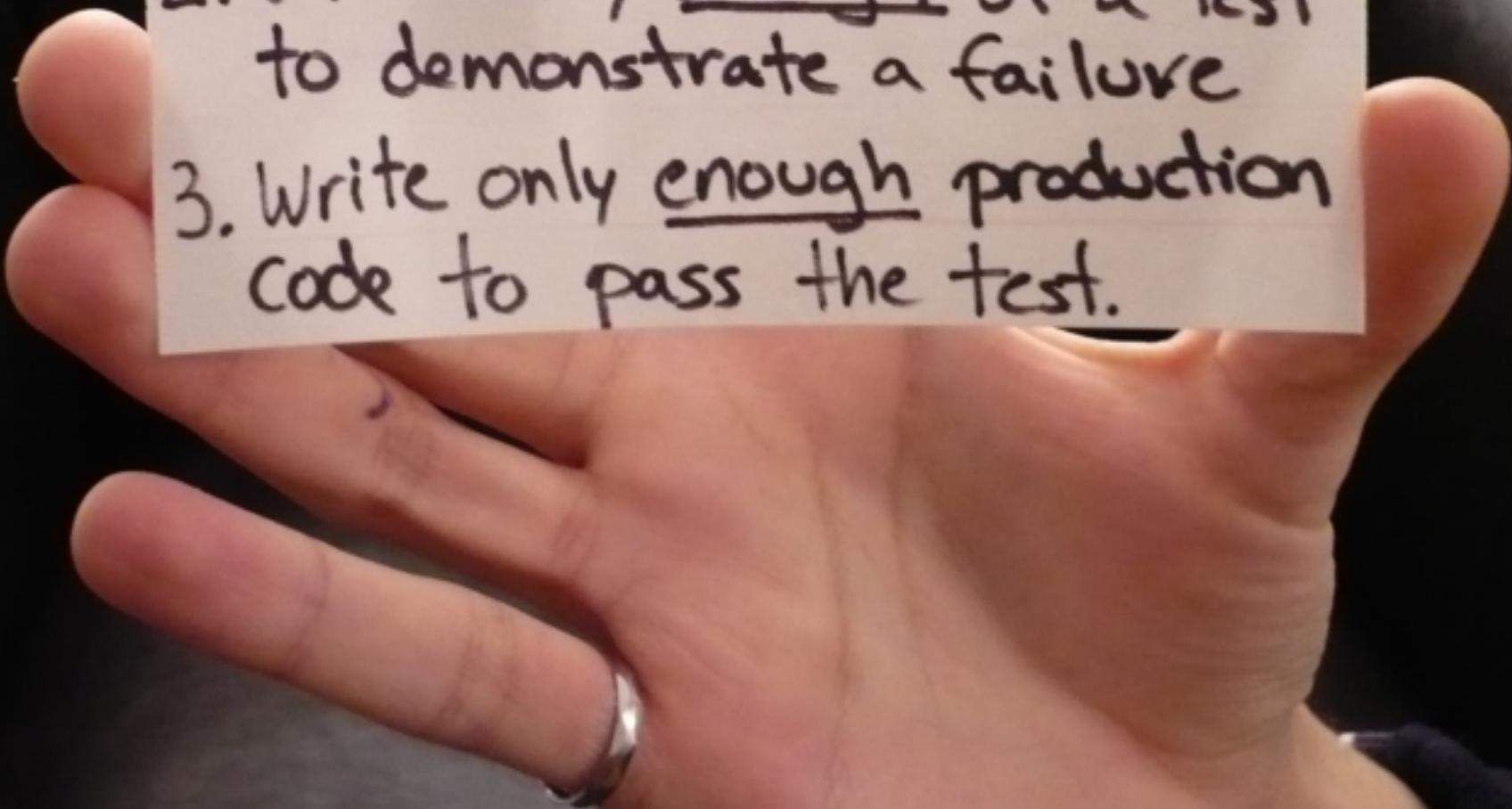


D evelopment  
e sign  
ocumentation



## Uncle Bob's Three Laws ①

1. Write NO production code except to pass a failing test.
2. Write only enough of a test to demonstrate a failure
3. Write only enough production code to pass the test.



## F.I.R.S.T Principles ②

**F**ast: test runs < 1 second.

**I**solated: fault is clearly isolated

**R**epeatable: constant behavior

**S**elf-verifying: pass OR fail

**T**imely: 1 code change = 1 test



Fast?

Isolated?

Repeatable?

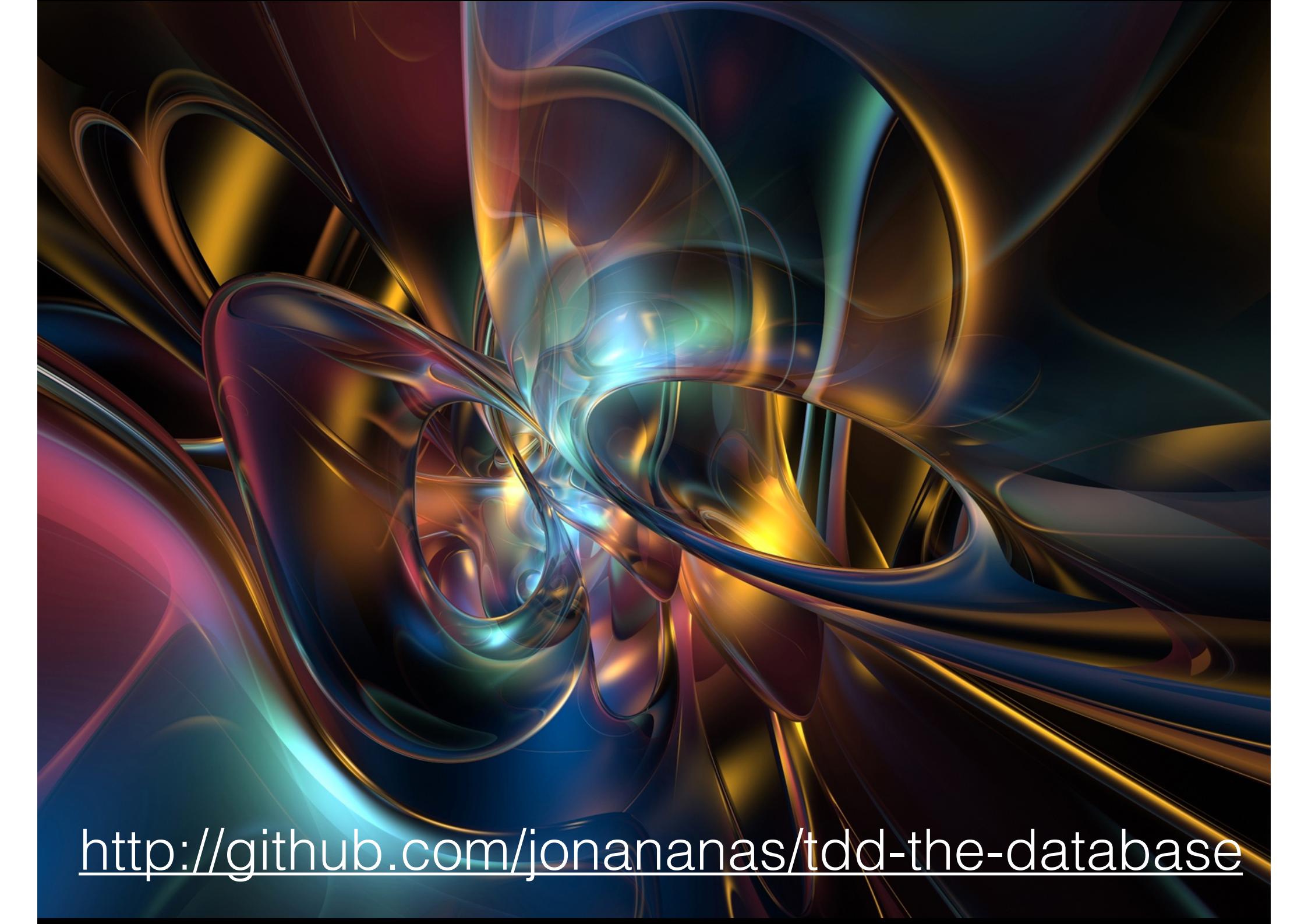
Timely?

# Några fördelar med JPA

- Snabbare utveckling! Produktivt!
- Mindre boilerplate-kod
- Automatic change detection, em.persist(entity).
- Store “gratis”
- Frikopplad från JDBC-dialekt. Databasbyte enkelt.
- Mindre felhantering
- Svårare göra fel!

# Några nackdelar med JPA

- Svårt optimera SQL-kod
- Ytterligare ett ramverk att lära sig
- Svårt förstå när du inte förstår
- Persistenskod sprids till klasser eller xml
- Något långsammare, ca 10% långsammare read tex

The background of the image is a vibrant, abstract fractal pattern. It features a complex arrangement of flowing, organic shapes in a variety of colors, including shades of blue, green, yellow, orange, and red. These shapes are rendered with a translucent, glowing quality, creating a sense of depth and motion. The overall effect is reminiscent of a microscopic view of a living organism or a futuristic digital landscape.

<http://github.com/jonananas/tdd-the-database>

## Preferences

 ×

▼ General  
  ▼ Editors  
    ▼ Text Editors

**Hyperlinking**

**Keys**

▼ Java  
  ▼ Editor  
    **Hovers**  
    **Syntax Coloring**  
  **Properties Files Editor**

▼ JavaScript  
  ▼ Editor  
    **Hovers**  
    **Syntax Coloring**

**Keys**Scheme: 

rerun

Command	Binding	When	Category
Rerun JUnit Test	⌃⌘X N	In Windows	Run/Debug
Rerun JUnit Test - Failures First			Run/Debug

Name: Rerun JUnit Test

Description: Rerun JUnit Test

Conflicts:

Binding:

⌃⌘X N



templ

**Templates**

Create, edit or remove templates:

Name	Context	Description	Auto Ins
<input checked="" type="checkbox"/> SashForm	SWT statements	new SashForm	
<input checked="" type="checkbox"/> Scale	SWT statements	new Scale	
<input checked="" type="checkbox"/> ScrolledC...	SWT statements	new ScrolledComp...	
<input checked="" type="checkbox"/> Shell	SWT statements	new Shell	
<input checked="" type="checkbox"/> should	Java type members	JUnit should method	on
<input checked="" type="checkbox"/> Spinner	SWT statements	new Spinner	
<input checked="" type="checkbox"/> static_final	Java type members	static final field	
<input checked="" type="checkbox"/> StyledText	SWT statements	new StyledText	
<input checked="" type="checkbox"/> StyleRange	SWT statements	new StyleRange for...	
<input checked="" type="checkbox"/> switch	Java statements	switch case statem...	
<input checked="" type="checkbox"/> synchroniz...	Java statements	synchronized block	
<input checked="" type="checkbox"/> syserr	Java statements	print to standard error	on
<input checked="" type="checkbox"/> sysout	Java statements	print to standard out	on
<input checked="" type="checkbox"/> systrace	Java statements	print current metho...	on
<input checked="" type="checkbox"/> TabFolder	SWT statements	new TabFolder	
<input checked="" type="checkbox"/> TabItem	SWT statements	new TabItem for a...	
<input checked="" type="checkbox"/> Table	SWT statements	new Table	

New...

Edit...

Remove

Restore Removed

Revert to Default

Import...

Export...

Preview:

```
@${testType:newType(org.junit.Test)}
public void ${should}() throws Exception {
    ${staticImport:importStatic('org.assertj.core.api.Assertions.*')}${{
}}
```

 Use code formatter

Restore Defaults

Apply



Cancel

OK