

Finding Your Organization's Code Deodorant

How we, accidentally, found our way to promote clean code- a true story.



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Clean code fanatic

Proud spouse and father of 3



Text

Image

Gallery

Button

Box

Strip

Shape

Video

Music

Social

Contact

Menu

List

Blog

Store

More

Add Text



Themed Text

Site Title

Page Title

Large Heading

Small Heading

I'm a paragraph. Click here to add your own text and edit me. It's easy.

I'm a paragraph. Click here to add your own text and edit me. It's easy.

Titles

Big Title

ALL CAPS TITLE

SMALL TITLE

Story Title

OGRAPHY

Travel

People

Bio



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Size

W: 0

H: 0

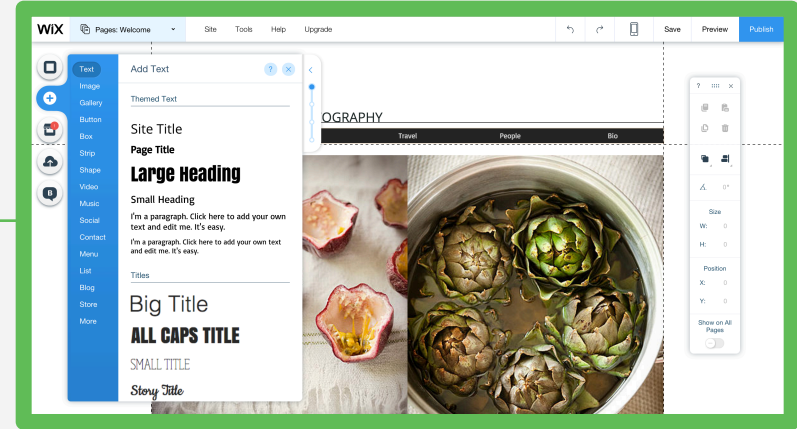
Position

X: 0

Y: 0

Show on All Pages





*Over
70 million
users*

*From 50 to
1,000
employees*

*~**350**
developers*

Wix Server



~150
micro-services

~70
developers

Wix Server Infra



RPC



Test
Infrastructure



Monitoring



Security

> 15
libraries

> 60
contributors



Legions of developers

**My manager
and I**

A junior developer

My aha moment

Two Truths

**Clean code is NOT going
to happen naturally**

**When everyone became abstract enough,
no one was responsible.**

**Bad
Naming**

**Mixed Levels
of Abstraction**

**Long
Methods**

**Over-
Engineering**

**Lack of
Coverage**

No TDD



**Code
Duplication**

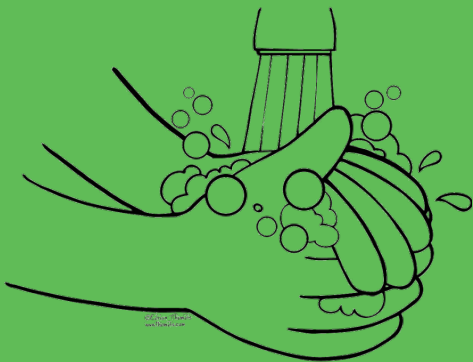
**High
Coupling**



Naming is Hard

**You have to face it
head-on**

01



Clean your own code

Others read your code





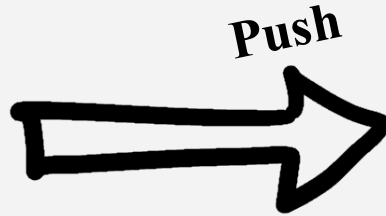
02



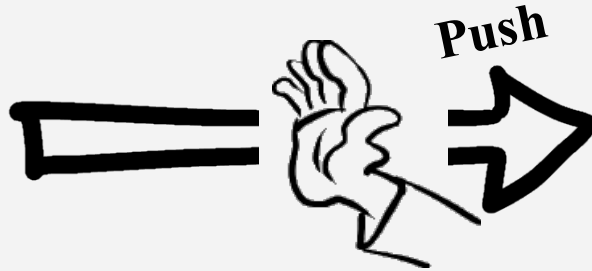
Harness Contributions

(and Contributors)

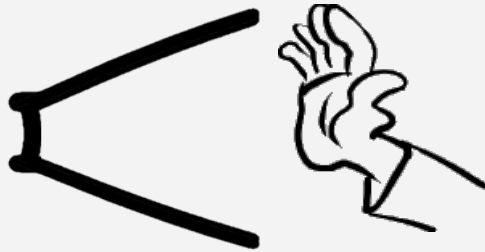
**If it's not clean *before the push*,
it will never be clean.**



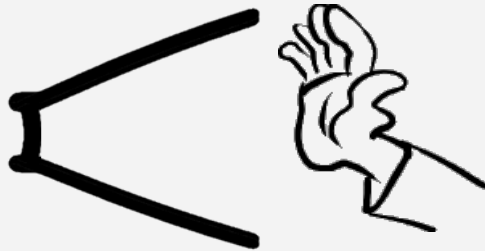
**You are the gatekeeper
of good contributions.**



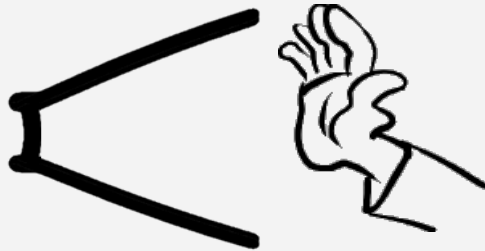
Contributions have to be sustainable –
for you



**Contributions have to be sustainable –
for you **and for them.****



**Contributions have to be sustainable –
for you and for them. So talk it out.**



A Good Contribution

#1 Infra-Relevance

The contribution should help several projects.

A Good Contribution

#2 YAGNI

**Contribute the least code possible,
add features later.**

A Good Contribution

#3 The 'Boy Scout' Rule

Contributions leave existing libraries' code cleaner.

A Good Contribution

#4 TDD

**Every API has a purpose
and was driven by a test.**

A Good Contribution

#5 Regression Confidence

**Less than 100% confidence
is unacceptable.**

Pay it forward

#1 Infra-Relevance

The contribution should help several projects.

#2 YAGNI

Contribute the least code possible, add features later.

#3 The 'Boy Scout' Rule

Contributions leave existing libraries' code cleaner.

#4 TDD

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Less than 100% confidence is unacceptable.



@ittaiz

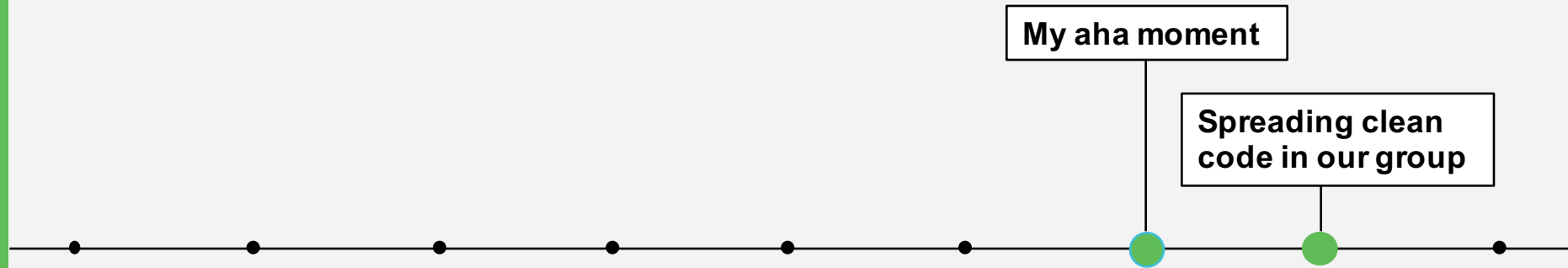
WIXEngineering

03



Mentor others

Where we are now.



**Did we have to use the infra
to promote clean code?**

How YOU can take it from here

- **Face it head-on**
- **Make it a priority**
- **Find your own tools**
- **Ours-**
 - 01 Clean your own code**
 - 02 Harness contributions**
 - 03 Mentorship**

Q&A

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Clean code is like deodorant.

Clean code is like deodorant.

**If you don't use it your coworkers
will hate you.**

Thank You!



@ittaiz

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