

Qualities of a Highly Effective Architect



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A woman with her hair in a bun, wearing a black long-sleeved shirt, is focused on drawing on a large sheet of paper at a desk. She is holding a white marker with a purple tip. The desk also has a computer mouse and some papers, including one with a pink drawing. In the background, other people are working at desks in a bright, modern office environment with large windows.

Architect



What comes to mind when you hear the word Architect?



I am the Architect. Who are you?
What are you?
I created the Matrix...

Who Needs an Architect?

Martin Fowler



andering down our corridor a while ago. I saw my colleague Dave Rice architect.) However, as so often occurs, inside the blighted cynicism is a pinch of truth. Un-

A photograph of a standard 12-egg carton filled with brown eggs. The carton is made of light brown cardboard and is set against a dark green background. The text "12 Qualities" is overlaid in the center of the image in a white, sans-serif font.

12 Qualities



Be a Mentor,
Not a Tormentor

Knowledge is a wealth that
grows when given





Criticize
Ideas,
Not People

Architecting is evaluating
tradeoffs

Debating with Knives





Guide,
don't dictate



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Two sets of people scare me: those who can't follow instructions and those who can only follow instructions.

A photograph of a large, natural sea cave. The cave's interior is illuminated by warm, golden light. A prominent feature is a large, circular opening in the rock ceiling, which frames a view of a bright blue sky with scattered white clouds. Below this opening, the cave opens up to a sandy beach. A person in a blue shirt and dark pants stands on the beach, looking towards the cave. To the right, another opening in the rock wall reveals the ocean, with waves crashing against the shore under a twilight sky. The overall scene is one of natural wonder and discovery.

You may discover things
from this experience too

A photograph of two women in a dark office environment. The woman on the left has long dark hair and is resting her chin on her hand, looking towards the right. The woman on the right has long blonde hair and is looking directly at the camera with a serious expression. In the background, another person is visible working at a computer. The overall lighting is dim, with the primary light source being the computer screens.

Practice Collective Ownership



Reduce Truck Factor



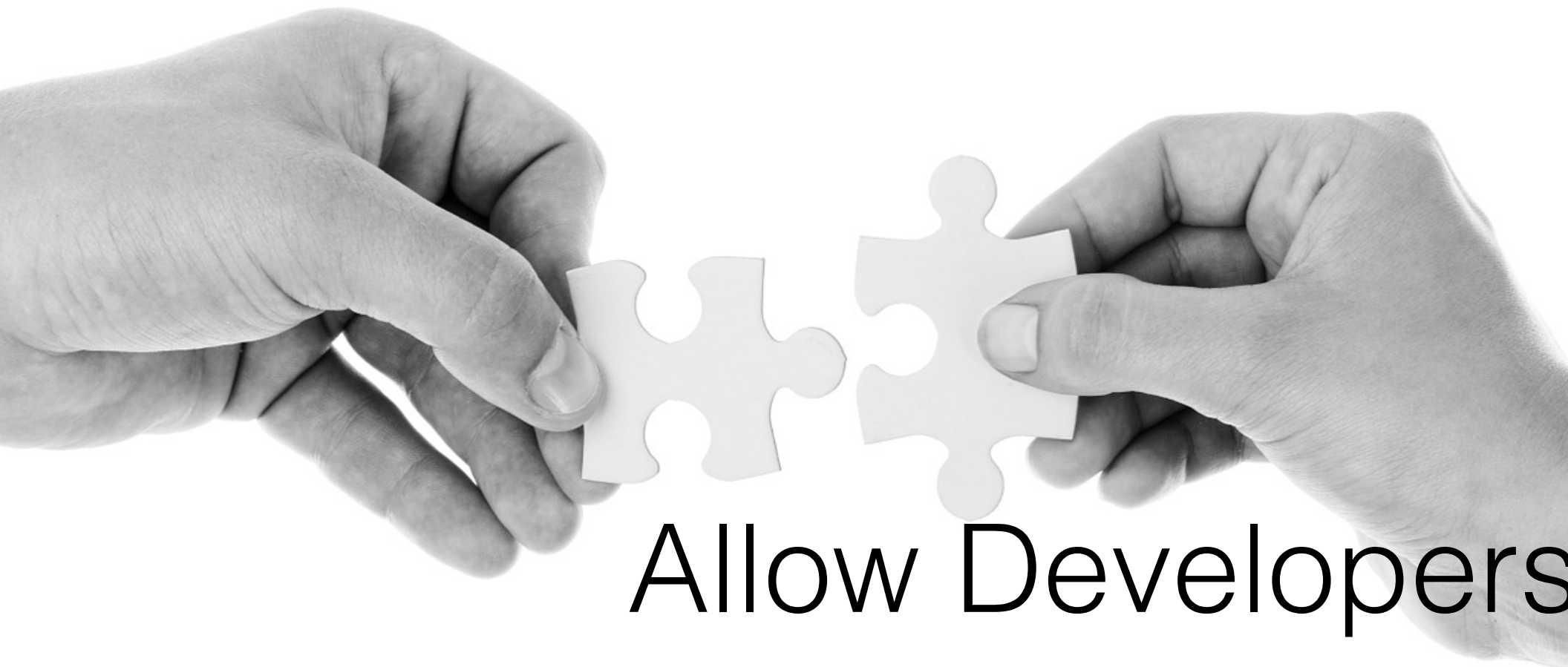
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I know of only one way to write readable code—ask a colleague to read it.

1:36 PM - 8 Apr 2015



Allow Developers
to Figure It out



It should be safe to be honest



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Funny how some ideas go from brilliant to stupid within minutes of prototyping.

5:39 AM · Jul 13, 2019 · [Echofon](#)

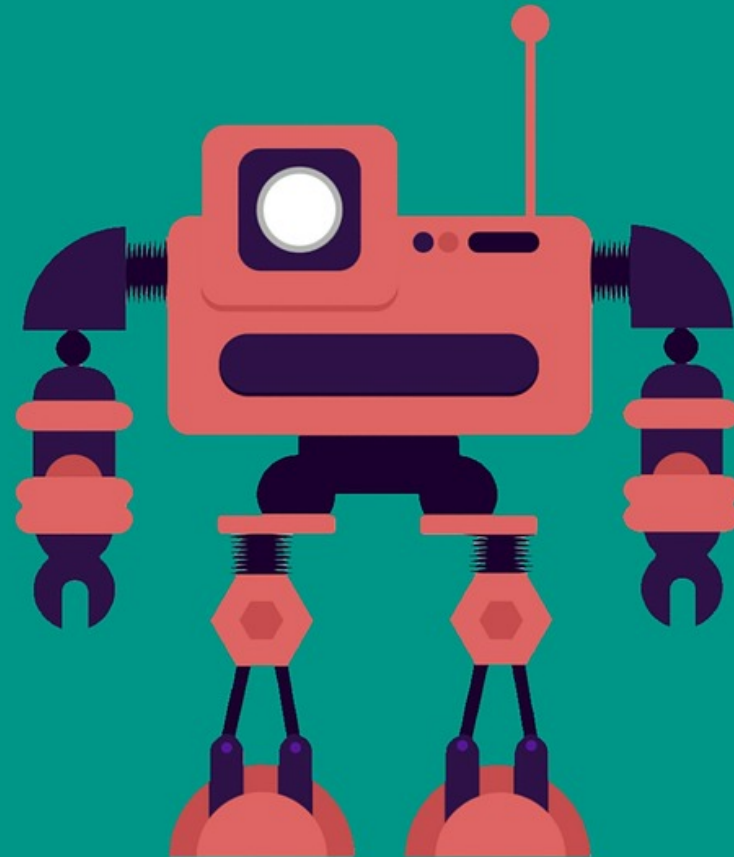


Time box efforts



Focus on
outcome,
not process

Prototypes beat any arguments





Gain domain
expertise

Extensible?





Three kinds of people

Those who know:

software but not domain

domain but not software

both software & domain

let's politely ignore the 4th group



Learn to
Unlearn



Learning is relatively easy when
compared to unlearning

Unlearning is a deliberate activity



Diversify your
Knowledge
Portfolio

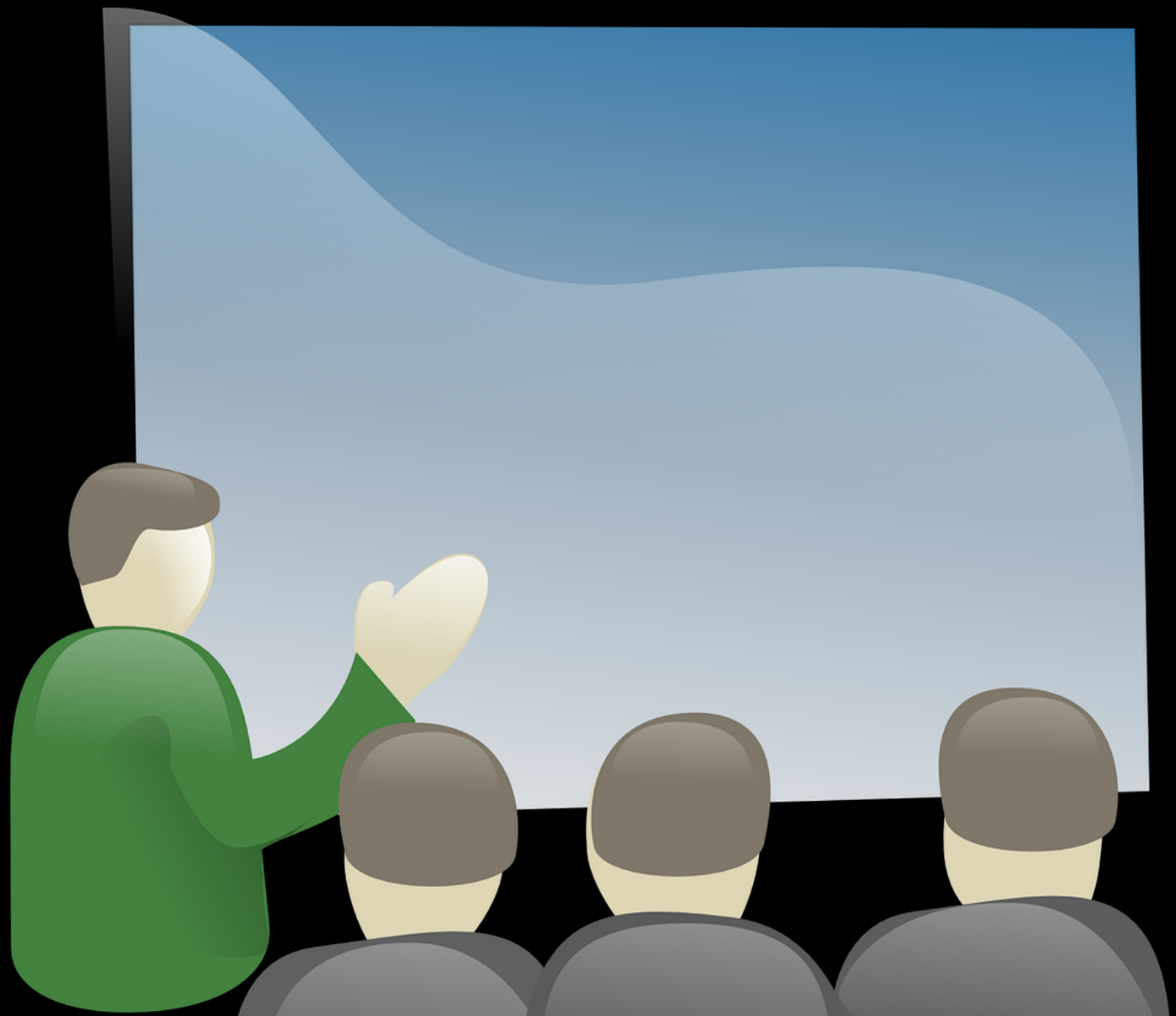
Pragmatic Programmers:
"We should learn at least one new
language each year."

The amount of time you need to learn something new is inversely proportional to the number of different things you've learned in the past few years.

Learning happens in deltas



Lead by
example



Architectural committee is where
innovation goes to die.

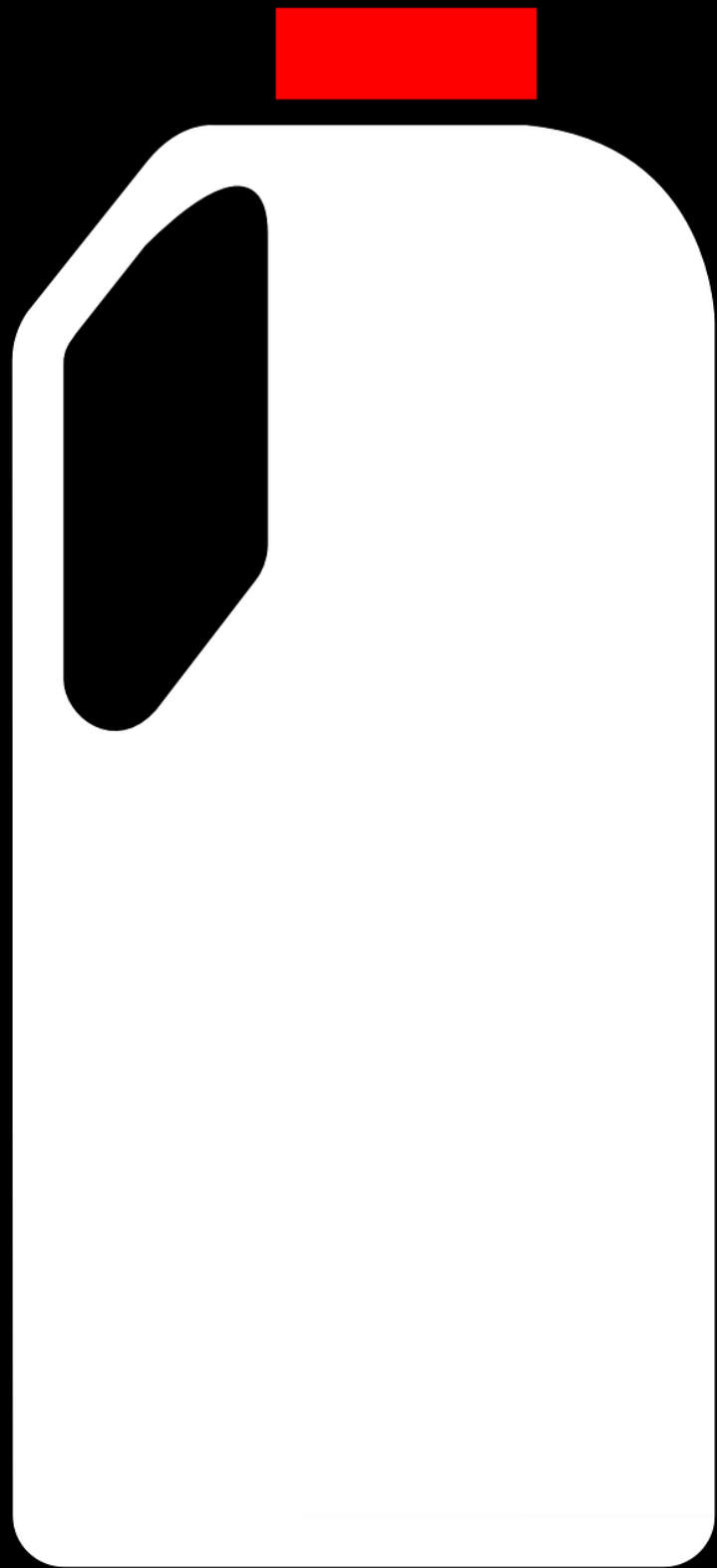


A Good Architect Practices
what they Preach

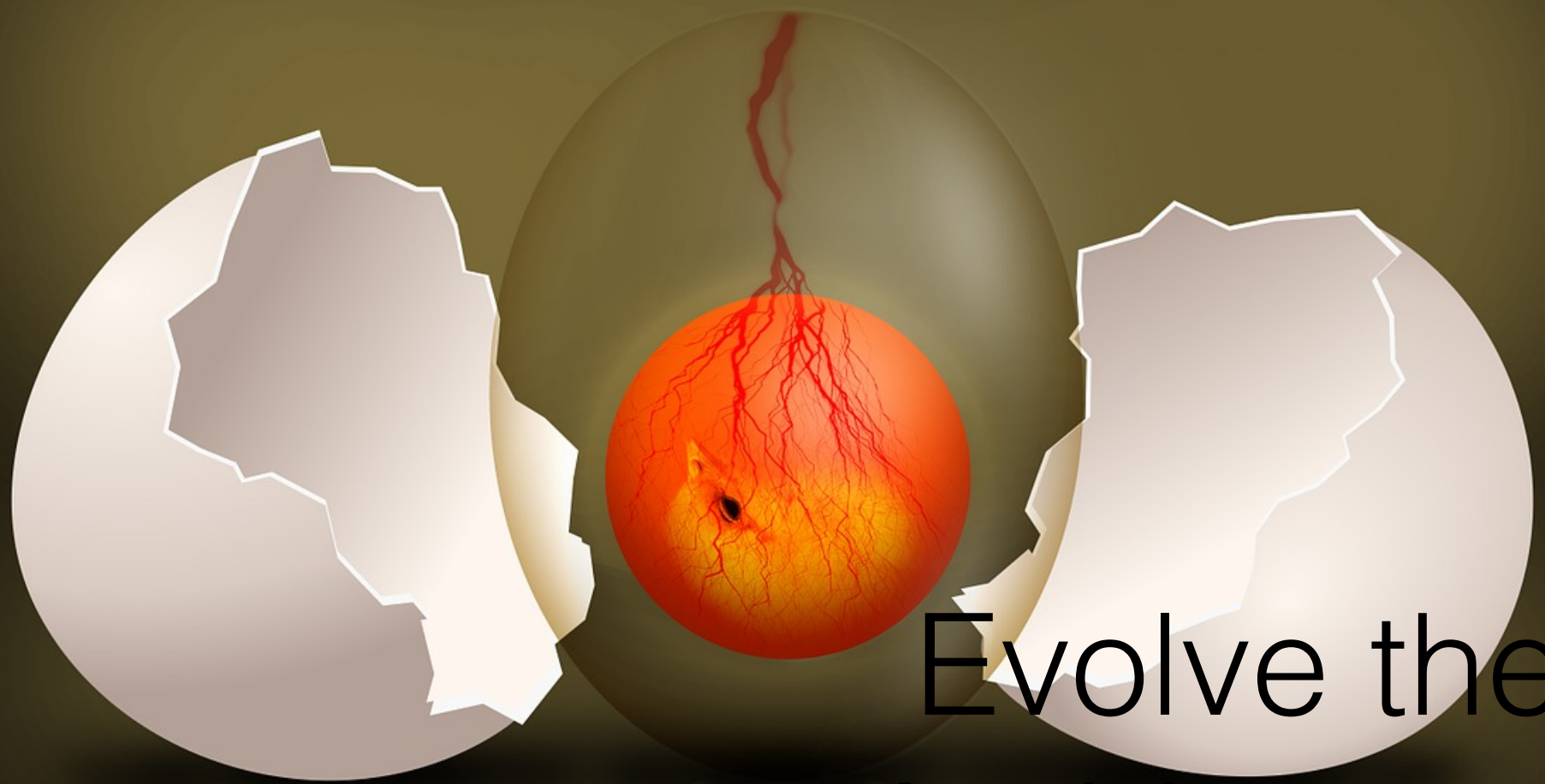


Write
Code

Avoid being a
Powerpoint Architect



Every technical
decision should
have an
expiration label.



Evolve the
Architecture

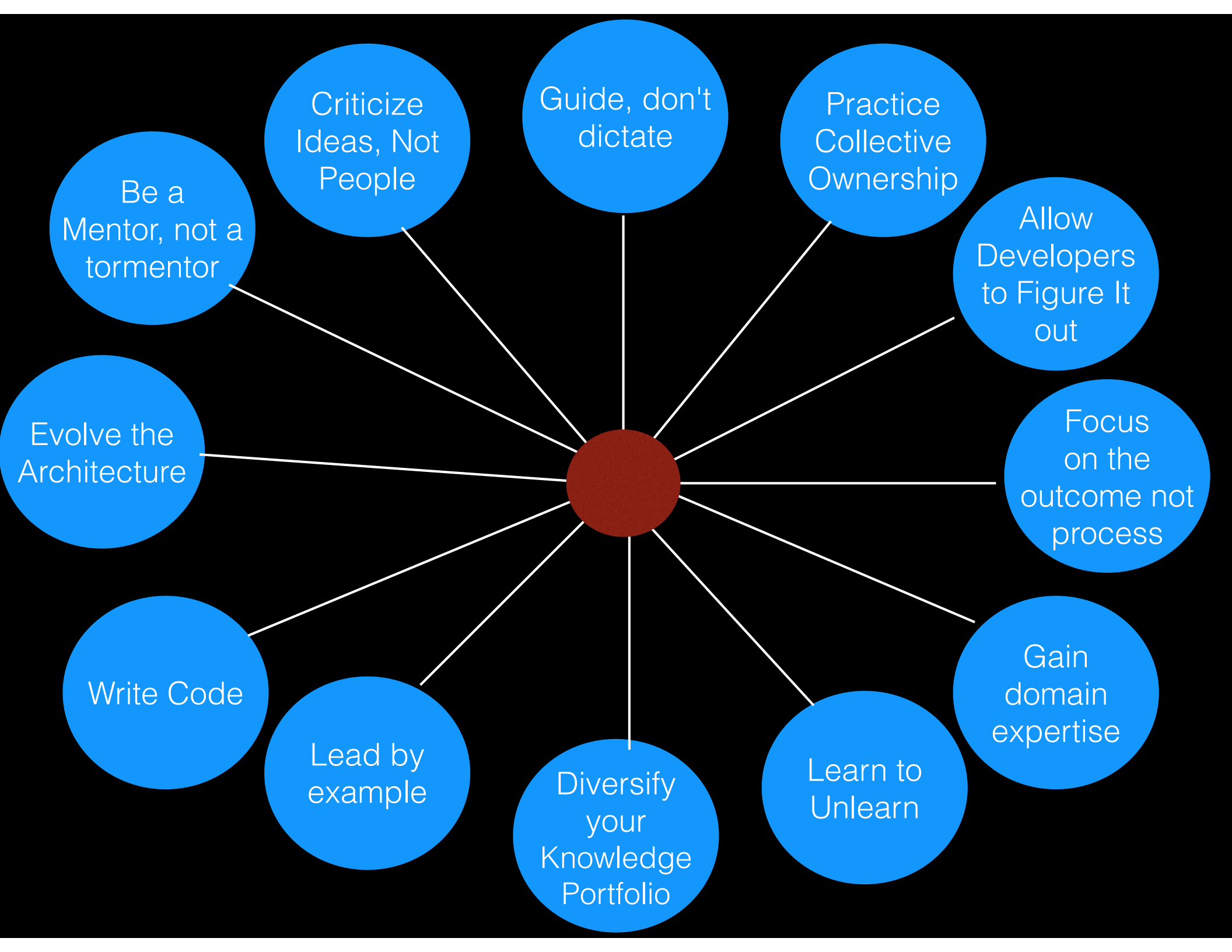


Mention % of confidence
in the architecture



The confidence in architecture
should increase with the knowledge
of the application

Use the tracer bullet approach



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tormentor

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Ideas, Not
People

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dictate

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<http://agiledeveloper.com/downloads.html>

Thank you

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