



https://martinfowler.com/books/refactoring.html



Martin Fowler



In my refactoring book, I gave a couple of definitions of refactoring.

Refactoring (noun): a change made to the internal structure of software to make it easier to understand and cheaper to modify without changing its observable behavior.

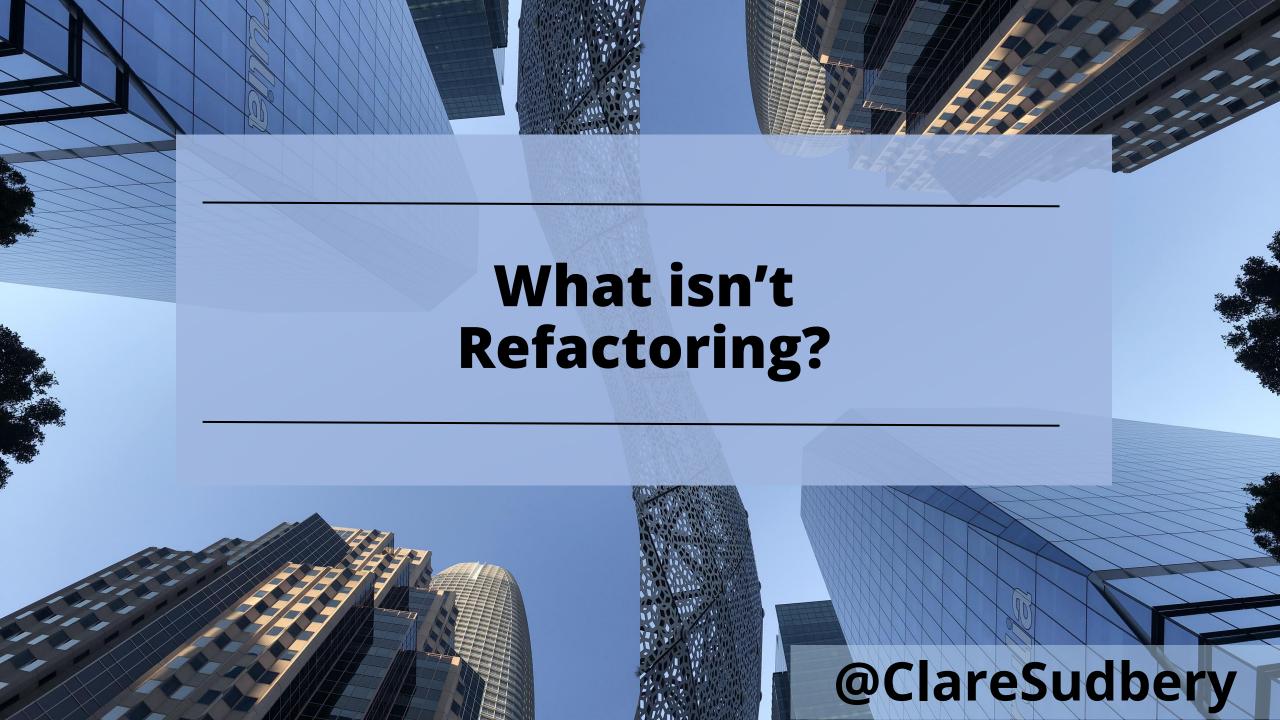
Refactoring (verb): to restructure software by applying a series of refactorings without changing its observable behavior.







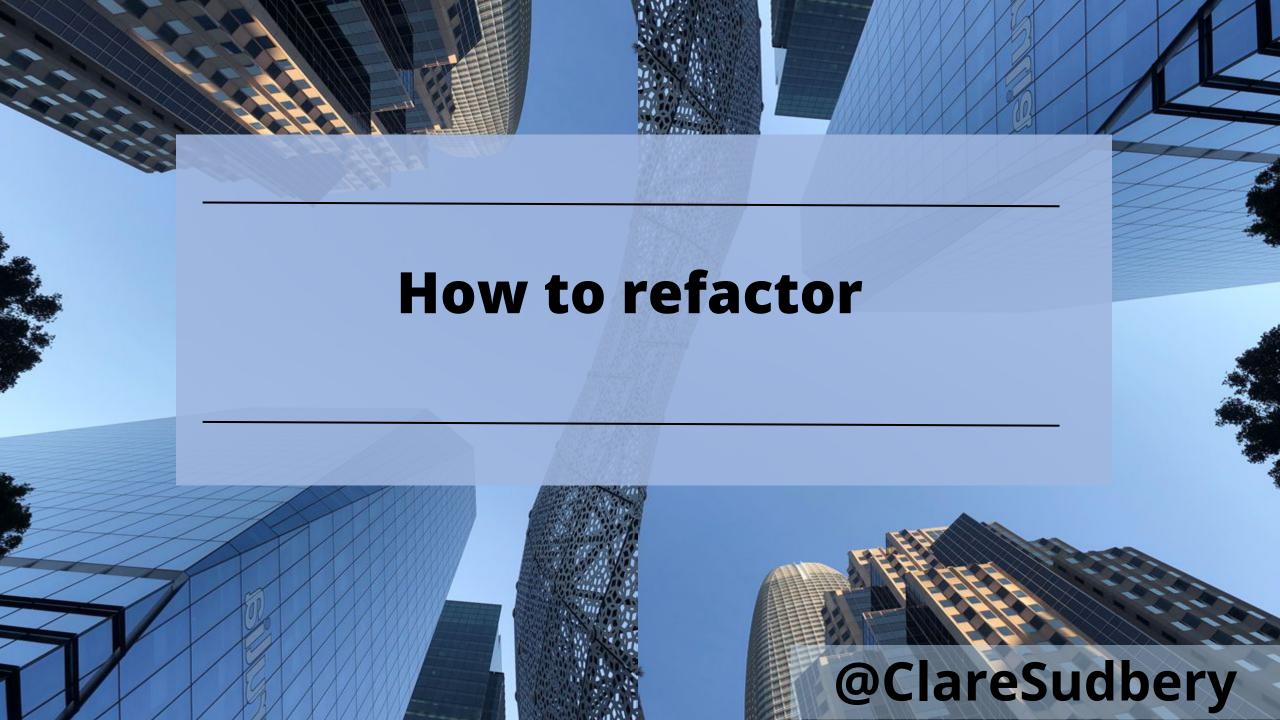




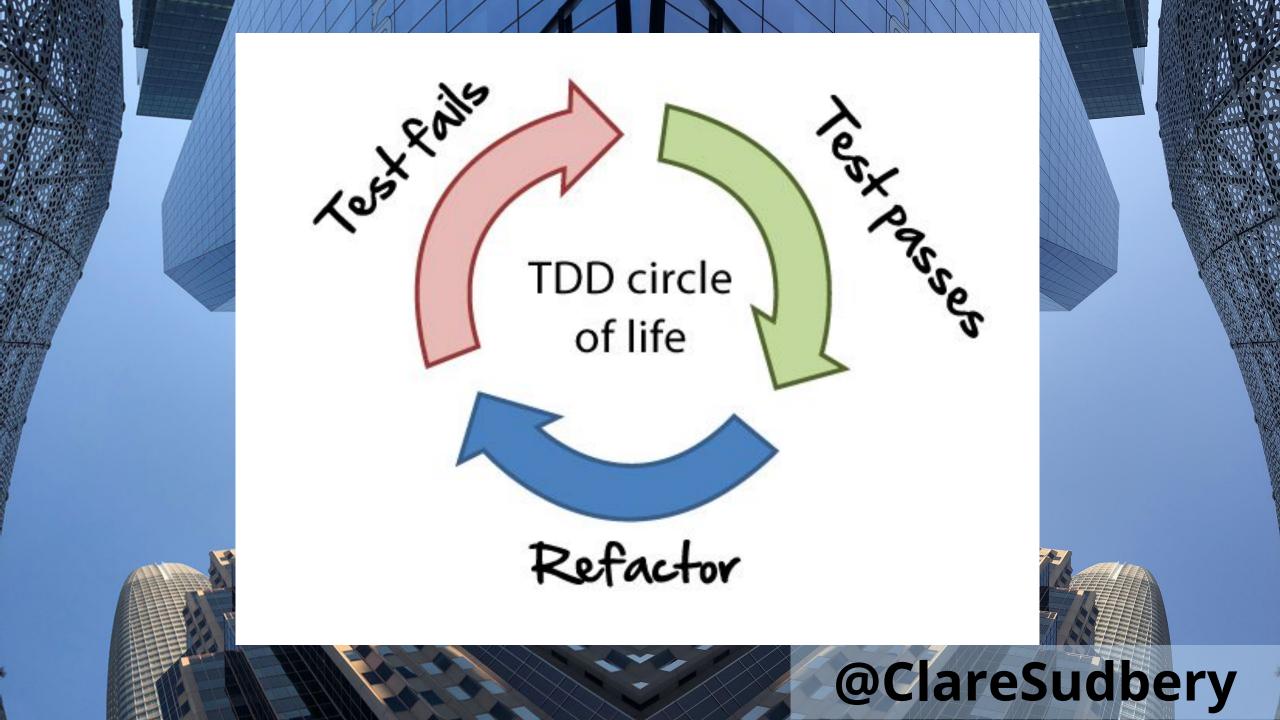














Refactoring blockers External pressure Impatience Seeking perfection No self-belief No compassion... @ClareSudbery































How to facilitate refactoring

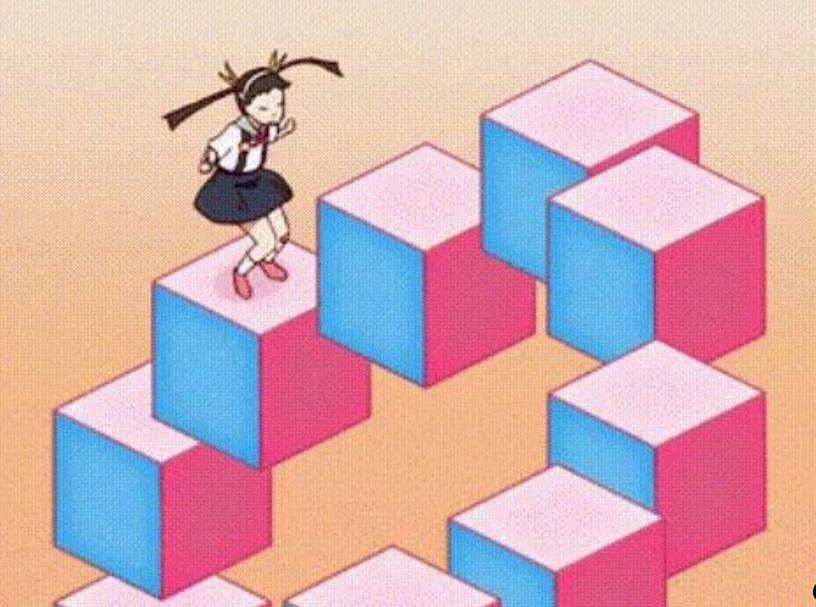
Use compassion to...

- Mitigate external pressure
 Balance impatience
 Embrace imperfection
 Believe in ourselves
 Seek joy









@ClareSudbery

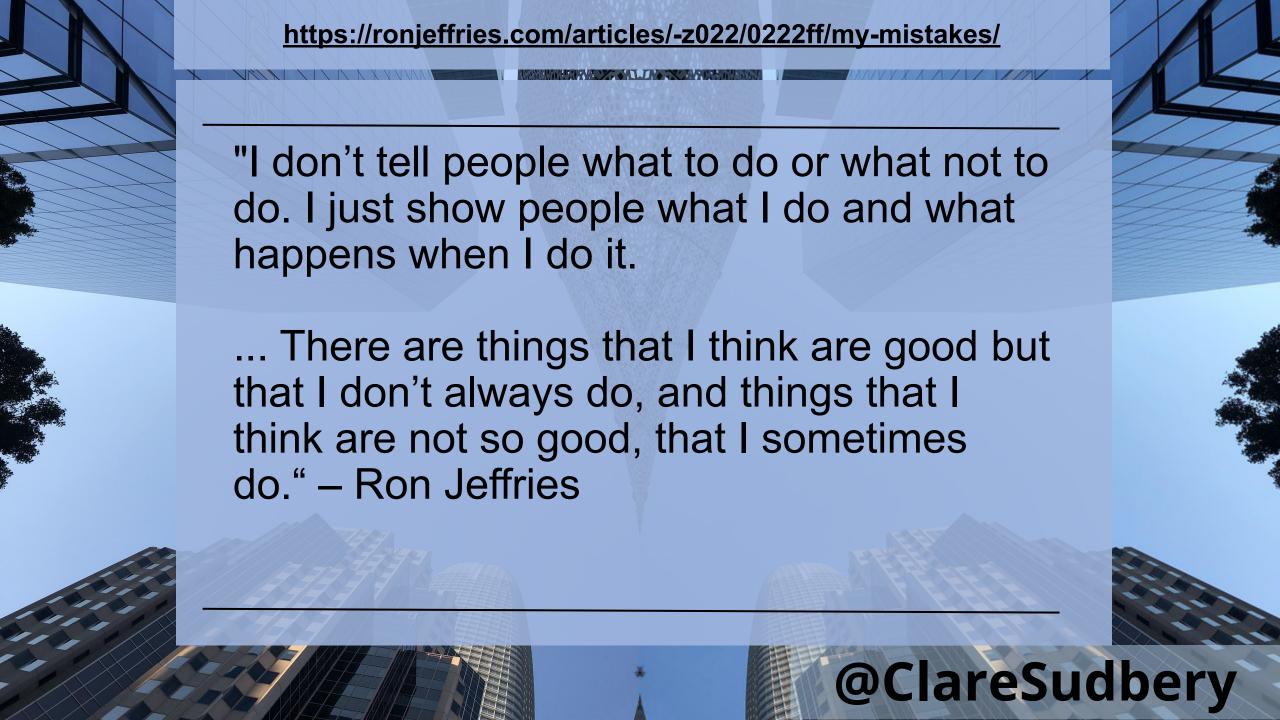




















https://www.geepawhill.org/2021/09/29/many-more-much-smaller-steps-first-sketch/

Many More Much Smaller Steps – First Sketch

September 29, 2021 / 5 minutes of reading / Muses, Podcasts

Part 1 of 5 in the series Many Much More Smaller Steps



Many More Much Smaller Steps - First Sketch^M|^{Anchor.} #129

PawCast with GeePaw Hill • By GeePaw Hill • Sep 28, 2021







7:53

The first plank of my take on fixing the trade is MMMSS: If you want more value faster, take Many More Much Smaller Steps.

@ClareSudbery











Georgia: Golang



Ilianna: Terraform



Jon: CentOS 7



Kirsty: Hadoop



Mircea: iOS Native



Esra: SonarQube

Anik: PySpark



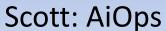
Andy: Encryption







Rob: AWS



THE WHEEL OF CONFUSION CentOS 7 Hadoop **Terraform** iOS Native **AWS** Golang SonarQube AiOps Recursion **PySpark**



CentOS 7



Hadoop



iOS Native



AWS



AiOps



Terraform

Golang



SonarQube



Encryption



Recursion

THE WHEEL OF CONFUSION iOS Native **AWS** AiOps Hadoop CentOS 7 398373 Encryption **Terraform PySpark** Golang

Hadoop

CentOS 7



iOS Native



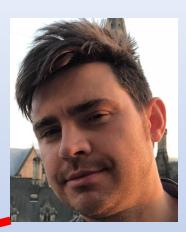
AWS



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Hadoop

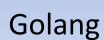


CentOS 7





SonarQube



THE WHEEL OF CONFUSION PySpark Encryption Recursion AiOps AWS SonarQube iOS Native Golang Hadoop **Terraform**



Recursion



Encryption



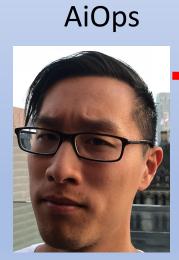
PySpark



SonarQube



Golang



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iOS Native



CentOS 7



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Encryption



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Recursion

AiOps



AWS

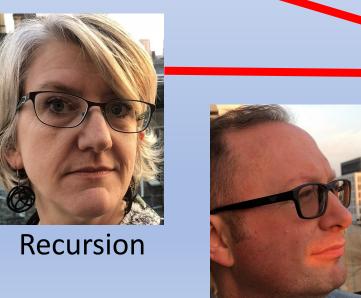


Hadoop



CentOS 7

Encryption



PySpark

AiOps

SonarQube



Golang



Terraform



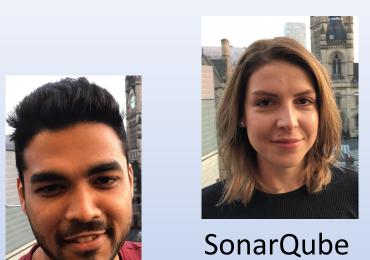
CentOS 7



iOS Native



Hadoop









PySpark

Terraform Golang

Hadoop













AWS



dola

SonarQube

PySpark



Encryption



Terraform



Data analytics



Hadoop



iOS Native



AiOps



AWS











Summary

Refactoring: Easier to understand / cheaper to modify

- Continuous
- Tiny low-risk steps Testable

Less likely when...

- Low compassion Unreasonable deadlines
- Unrealistically high standards Feeling guilt or shame

More likely with...

- **COMPASSION**
- Time
- **Embrace imperfection**
- Focus on tiny improvements (MMMSS) Believe in ourselves
- Find ways of enjoying what we do



THANK YOU

No office hours, but...

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LinkedIn: tinyurl.com/lin-csudbery
Podcast: tinyurl.com/making-tech-better