

Developer!

Developer Developer

UK Community Events



sketchnotes from

DDD North 2015

October 24, 2015

- INTRO -

Sketchnoting is a visual way of storing ideas, which boosts concentration and memory ... it's great fun too!

Here is a series of sketchnotes which we have gathered from the DDDNorth Conference 2015. Many of these were taken by people who had little or no experience of sketchnoting prior to the conference.

We hope we can inspire you to try out sketchnoting for yourself!

sketchnotes by

Bill Beckett @billybeckett
Matt Ferron @Matt_Ferron
Derek Graham @deejaygraham
Steven Hill @MrStevenHill
Ian Oxley @ianoxley
Ste Prescott @ste_prescott
Naeem Sarfraz @naeemsarfraz
Luke Stringer @lukestringer90
Lai Tang @LaiTang
Chi Goc Voong @mecodepanda
Kate Walker @driveoutwith

Sketchnoting for Developers

Derek Graham
`@deejaygraham`

Sketchnoting: Derek Graham

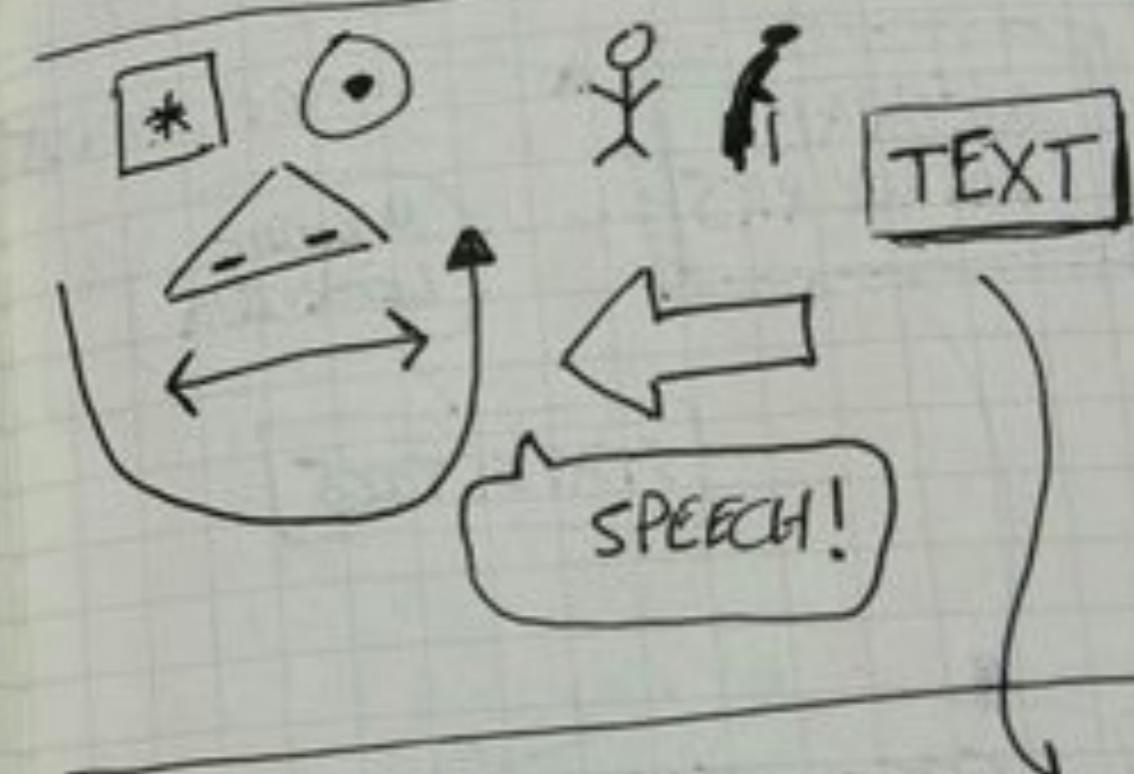
BEST IDEA
ARTIST



DUAL CODING
THEORY SCIENCE

PSE

* Jeannet King - What you Draw is Good Enough



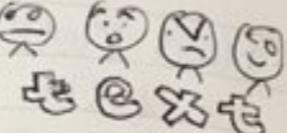
- Sketchnote Army
- New project
- Embrace mistakes

DDD North 2015

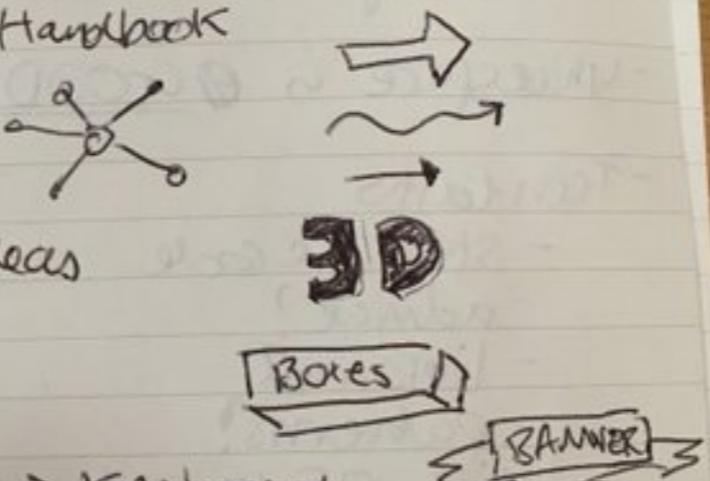
Quote

Thought

Sketchnoting for Developers



- Agile involves diagrams, but we went to make them formal/professional
- This is a mistake
- Atlassian put everything on a team wall to get everyone involved
- "The winner is the best idea, not the best artist"
- Sketchnoting is easy to get into visual communication.
- The Sketchnote Handbook
- Why?
 - Memorable
 - Big picture
 - Conceptual ideas
 - Integration
 - Recall
- Science
 - Handwriting > Keyboard
 - Visuals > text
 - Overall frameworks and specifics
- Text notes are best for the speaker
- Visual notes are best for listeners
- Deliberate attempt to slow down and think about connections and your own representation
- It's about ideas not about art
- What you draw is good enough (book)
- Use pencil for layout / use graph paper



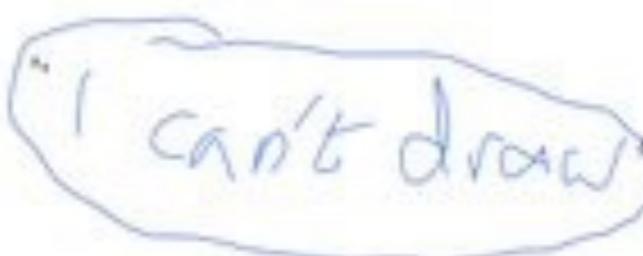
DOO WORK

24 October 2015 09:54

1. SKETCHNOTING 24/10/15



LISTEN!



Its about Ideas
Not art

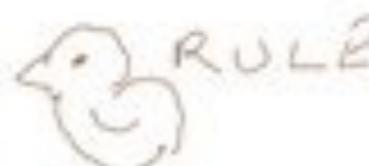
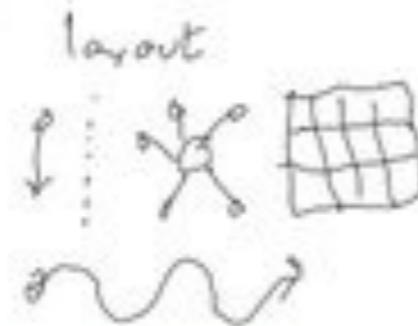
Text in Fonts
OR COLOURS

BOLD



to fill in later

Light pen SECRET
- PHOTOCOPY
SHOW
GRAPH PAPER



shun - filin



- ↗ SKETCHNOTE ARMS



SKETCHNOTING

DERET GRAHAM

- INFORMATION LITERATORS
- WHEN WE ARE KIDS WE DRAW
(ALL CHILDREN ARE ARTISTS) PICASSO

VISUAL THINKING

AGILE 2015

* LITTLE BOOK OF SKETCH NOTES - EBOOK *

USED BY ATLASSIAN - ON WALLS

"THE WINNER IS THE BEST IDEA, NOT THE BEST ARTIST"

- NO 'CORRECT' WAY

- COMMUNICATION

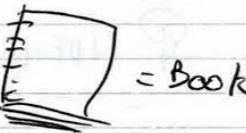
* THE SKETCHNOTE HANDBOOK *

- USE SYMBOLISM



- MINIMAL COLOURS TO HIGHLIGHT

- SINGLE PEN



- INDIVIDUAL STYLE

- CAN USE A TABLET

~~WTF~~ - MEMORABLE

- BCG PICTURE

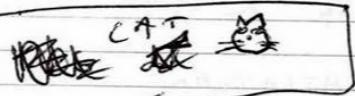
- CONCEPTUAL

Look AT
PEOPLES
NOTES
EXAMPLES
ONLINE

SCIENCE

HANDWRITING > KEYBOARD
VISUAL > TEXT

DUAL CODING & PAIR
THEORY IN PROFESSIONAL

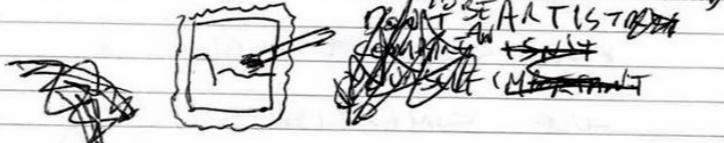


MULTIPLE
DRAWING
AIDS MEMORY

REASONS NOT

- IMMEDIATE RECALL

- TOTAL CLARITY NEEDS



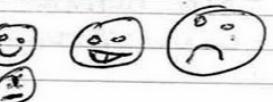
IDEAS NOT ART

GRAPHIC FACILITATOR

JEANNIE CHANG

WHAT YOU DRAW IS
GOOD ENOUGH

USE
EMOTICONS



SEAN WES

- FONTS

YA YA YA

BANNERS

PENS

PENS

lower case

BLOCK

SUPER

Script

PLAN

- TITLE
- SPEAKER
- TYPE OF TALK
- LAYOUT?
- PLAN

LISSEN

TWITTER TEST

TOP TEN POINTS

PRIORITY
CAN'T CAPTURE ALL

PLAY NOTES
TO PERSONAL
LEARNING STYLE

SKETCH NOTE ARMY

- NOUN PROJECT
- EMBRACE MY STAKES
- SKETCH NOTE WORKBOOK

SHARE
NOTES

#

- TWEET

#DIDNORTH

SKETCHNOTING

BY MRSTEVENHILL



3. STYLES

lower case
SUPER BLOCK

Script

TEAM

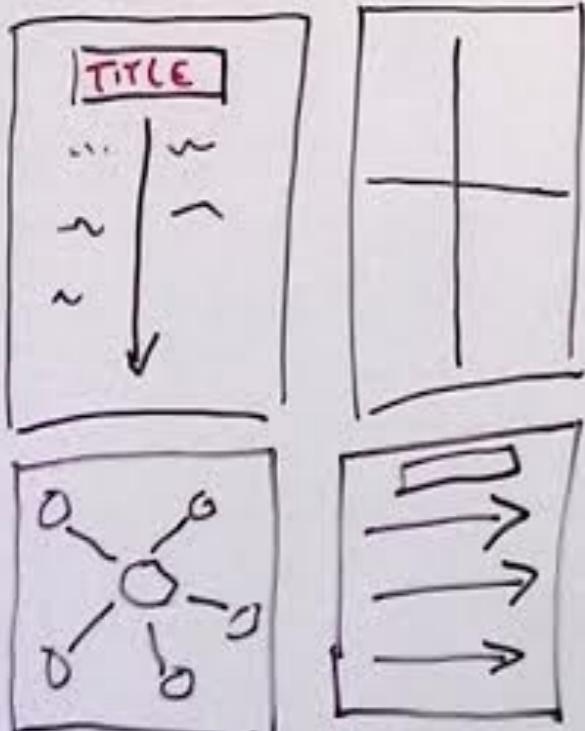


INDIVIDUAL



4. LAYOUT

PLAN IN ADVANCE
OR FREE STYLE



5. LISTEN

ACTIVE LISTENING
+ FOLLOW THE SPEAKER
+ HIGHLIGHT EMOTION
+ JOKES
+ QUOTES

CAPTURE
MOST
IMPORTANT
POINTS

THE TWITTER
TEST

NOT JUST
WORDS

EMBRASSING
SPACE
MAKE
SKETCHING

6. SHARE

TWEETS
BLOGS
WHITEBOARDS
WALLS

WITH
COLLEGUES
WITH THE
WORLD

#HASH
TAGS

7. FURTHER READING

- SKETCHNOTE ARMY



- NOUN PROJECT

- @ DEEJAYGRAHAM

- @ BOHDESIGN

- FINDING MARBLES

- SEANWES.COM

- JEANNELING.COM

IoT Development Fun with .NET and Raspberry PI

Christos Matskas
@ChristosMatskas

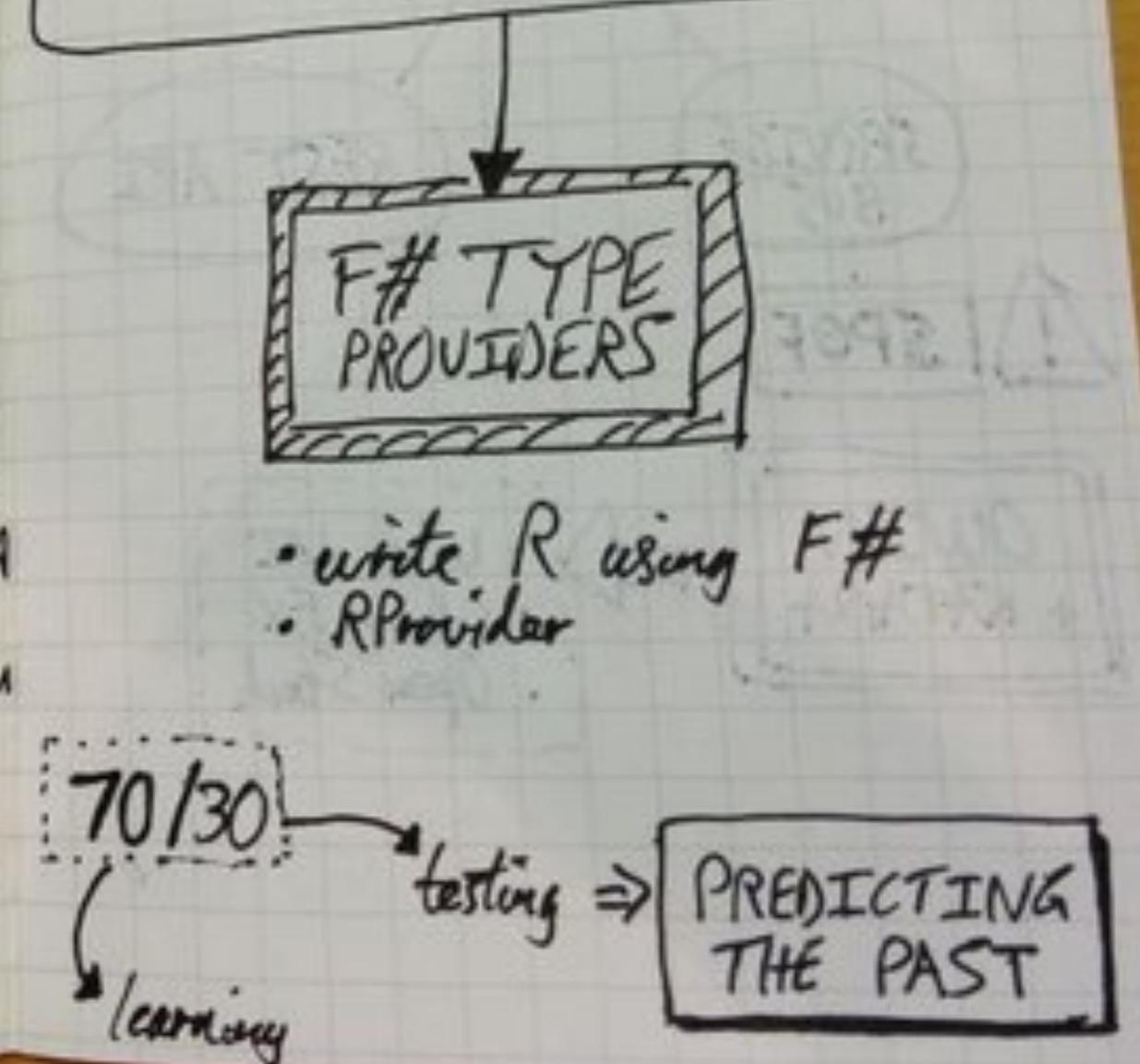
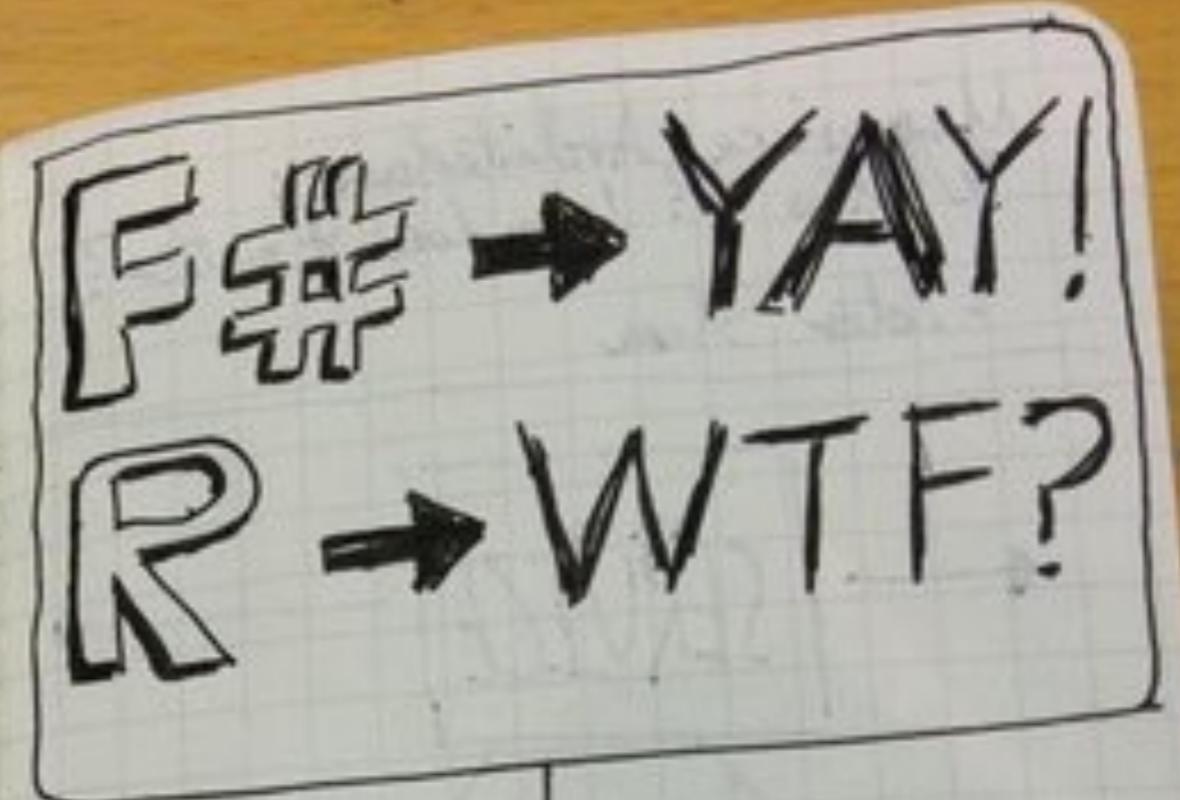
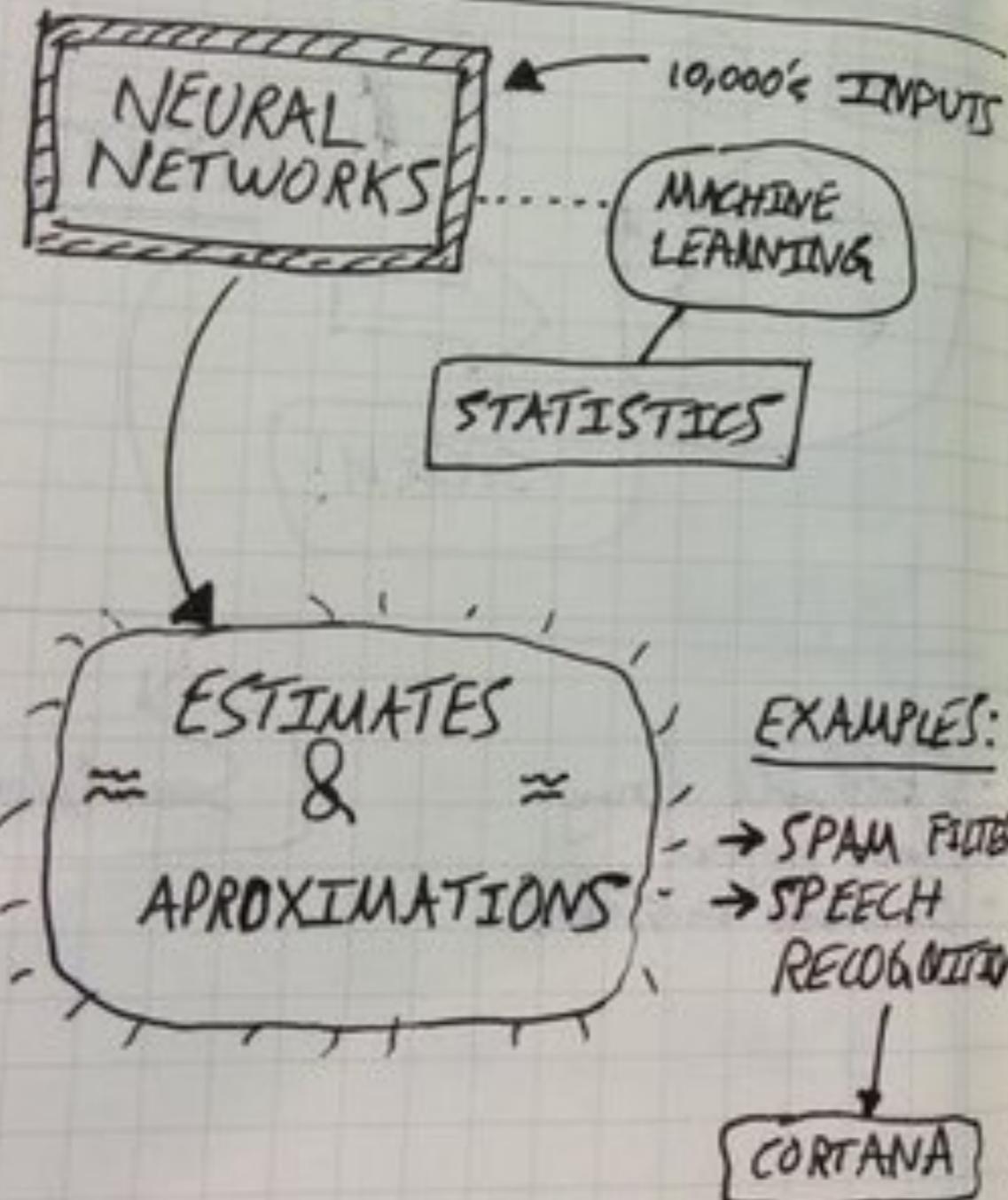


@Matt_Ferron

Deep Dive into Deep Learning

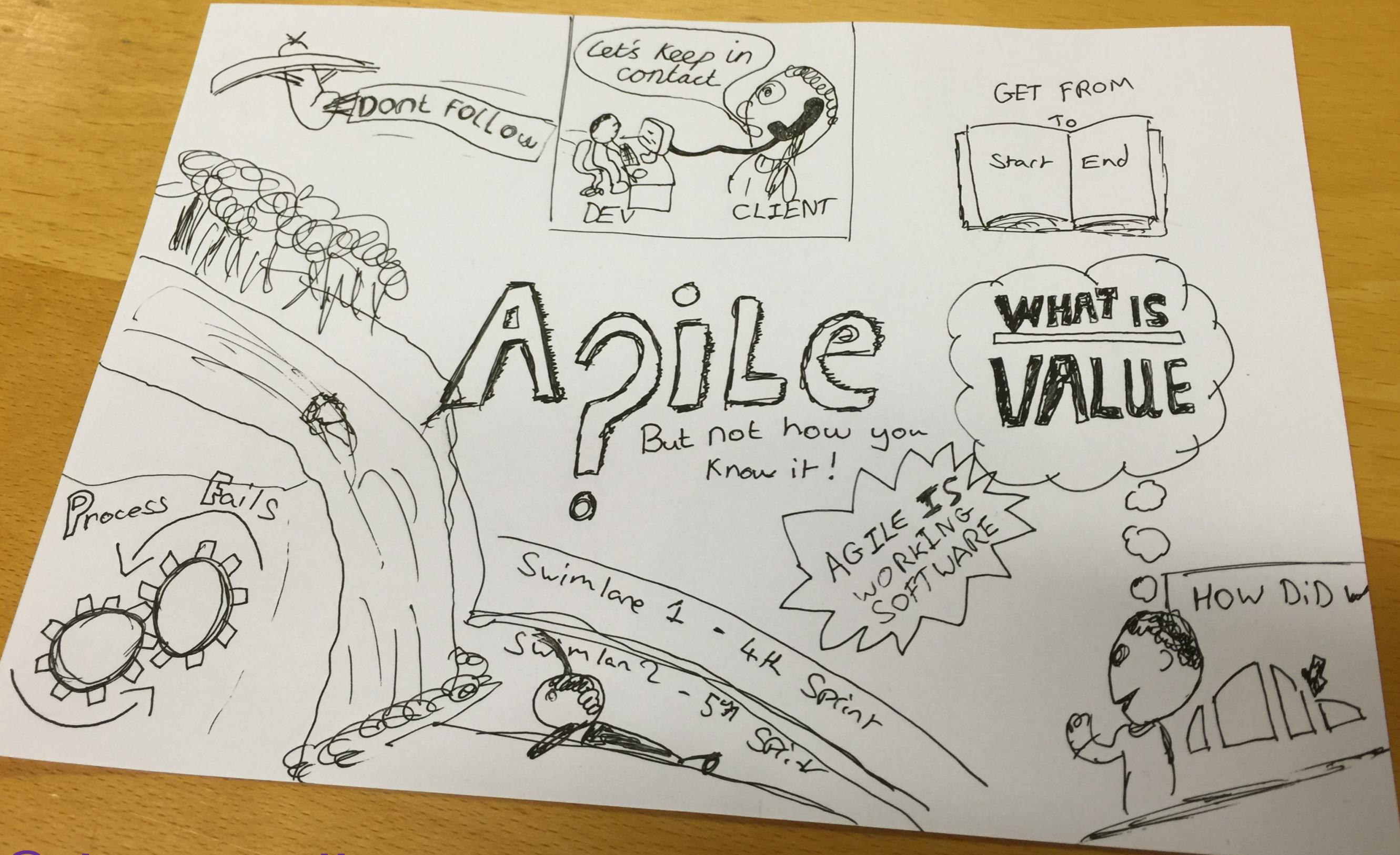
Gary Short
@garyshort

Gary Short: Deep Dive into Deep Learning



You keep using
the word agile,
I do not think it means
what you think it means

Nathan Gloyn
@ NathanGloyn

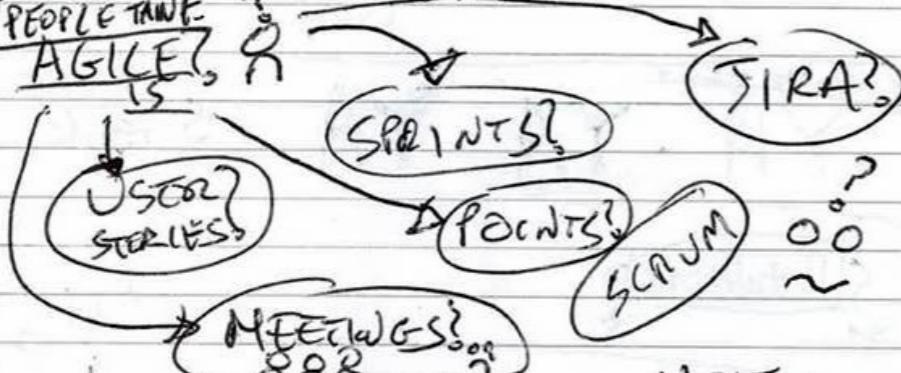


© NATHAN GOW



YOU KEEP USING THE WORD AGILE...

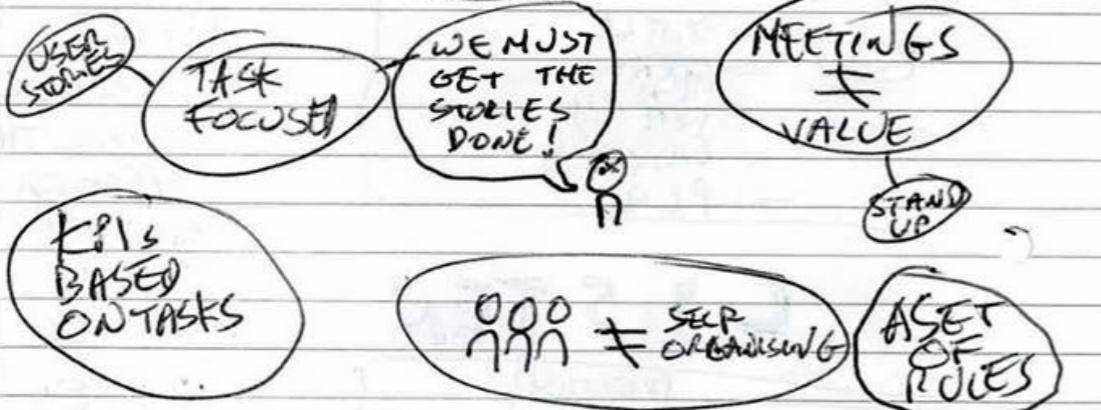
WHAT PEOPLE THINK
AGILE IS



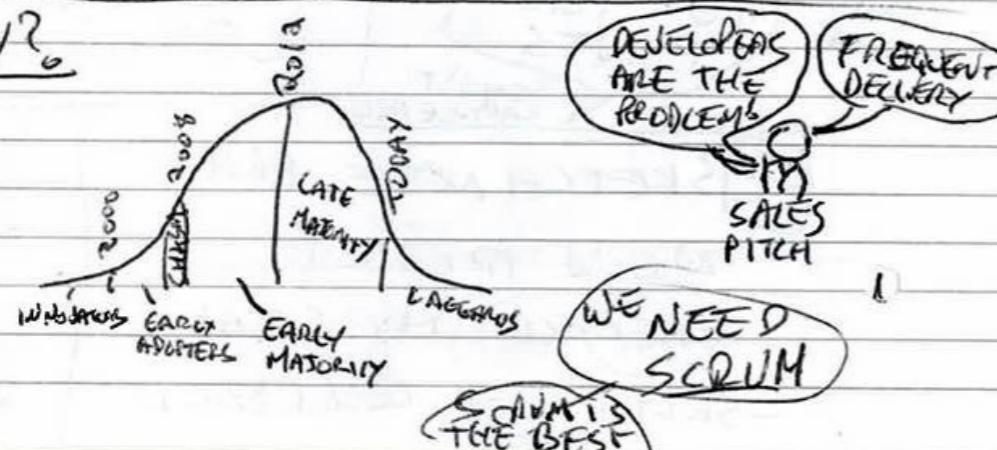
12 ANGRY MEN

WHAT IT ISN'T...

BACKLOG AT THE TOP



How/Why?



RENAMED EXISTING
ROLES
SCRUM → SCRUM

PRACTICE → RESULT
CAUSES ?

NOT UNDERSTANDING
THE POINT

RESULT
NOT THIS!

SO WHAT IS IT?

AGILE MANIFESTO

IDEAS | THINGS

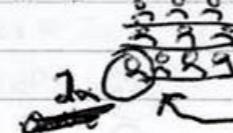
LEFT

RIGHT



* PRINCIPLES OFTEN MISSED

YOU HAVE TO FOLLOW THE RULES



WHO HAS HEARD OF THE PRINCIPLES?



SHIP WORKING SOFTWARE BY TEAM

#1 PRIORITY

WORKING SOFTWARE

GOAL FOCUS

NOT TASK FOCUS

DELIVER VALUE COLLAB CONSTANT FEEDBACK

WHY USE AGILE?

- ① TRANSPARENCY
- ② TRUST
- ③ COLLABORATION
- ④ DELIVER VALUE

BETWEEN BUSINESS + DEVS

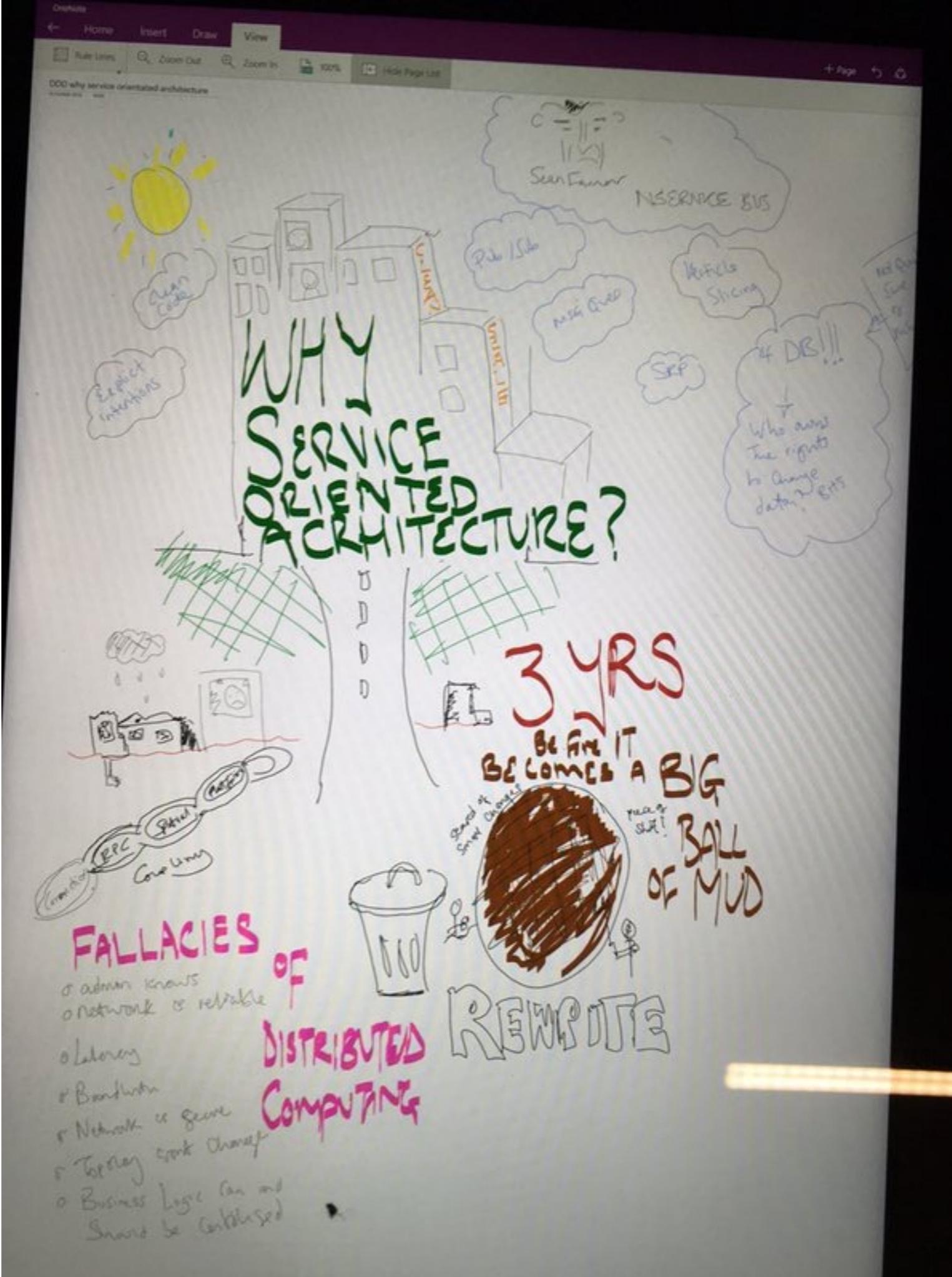
BUSINESS SPECIFIC MEASUREABLE GOALS

TO DESIGN PRIORITISATION

EVOLUTION

Why Service Oriented Architecture?

Sean Farmar
@farmar



@laitang

Why SOA?

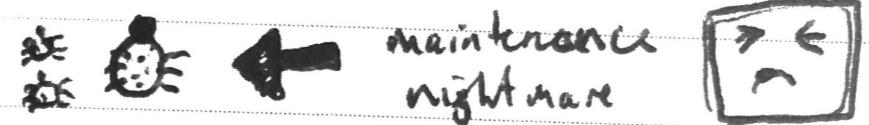


Sean Farmer

THE EVO R. →

@farmer

Small monolith → \$ success → features + + ↴

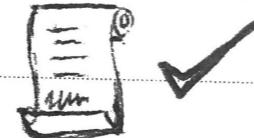


reduce

Coupling

No sharing

Only Contracts for communication



Coupling

Afferent Efferent



Coupling Impossible.

MINIMIZING IS KEY!!!

DEPENDENCIES

DEPENDS ON

Temporal

TIMING, RPC

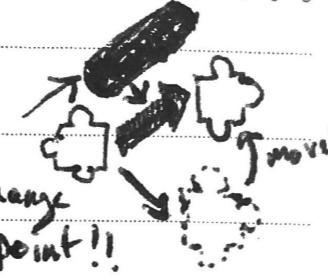
- Async messaging
- Publish/Subscribe

+ Forget.

Spatial

DEPLOYMENT ENDPOINTS

need to change endpoint!!

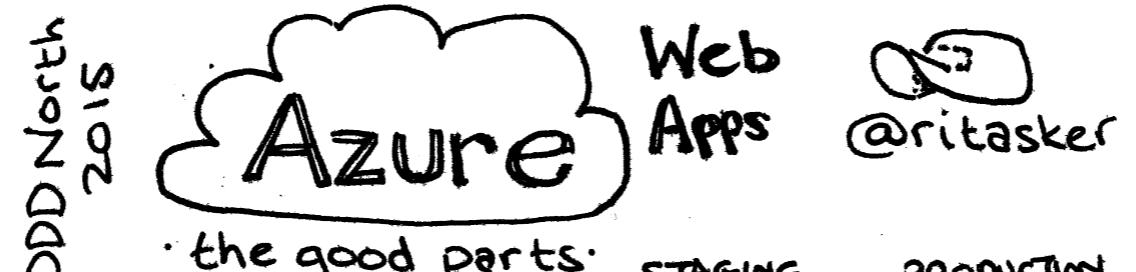


@mecodepanda

Azure: the good parts

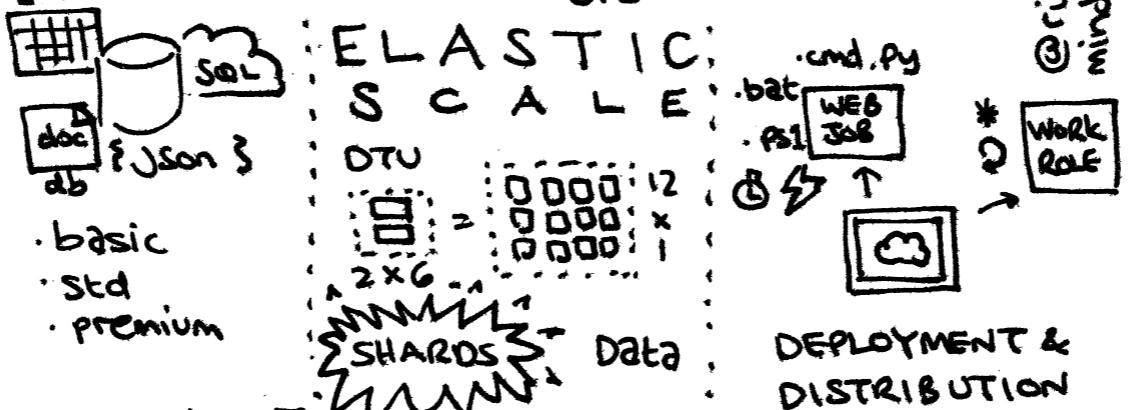
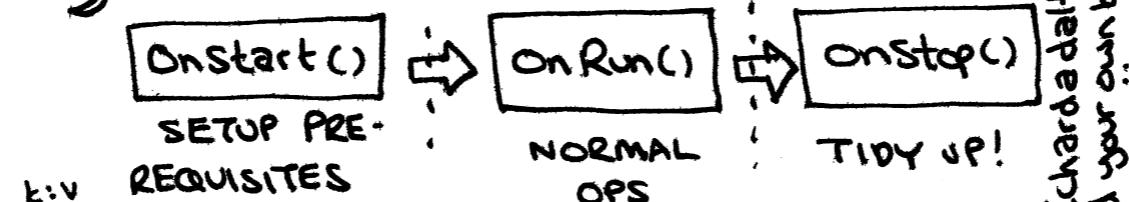
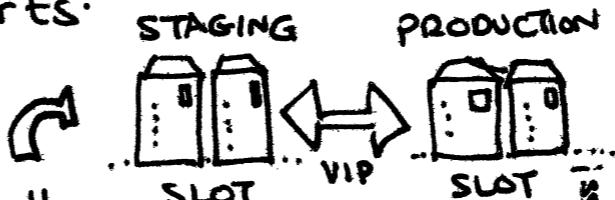
Richard Tasker

@ritasker



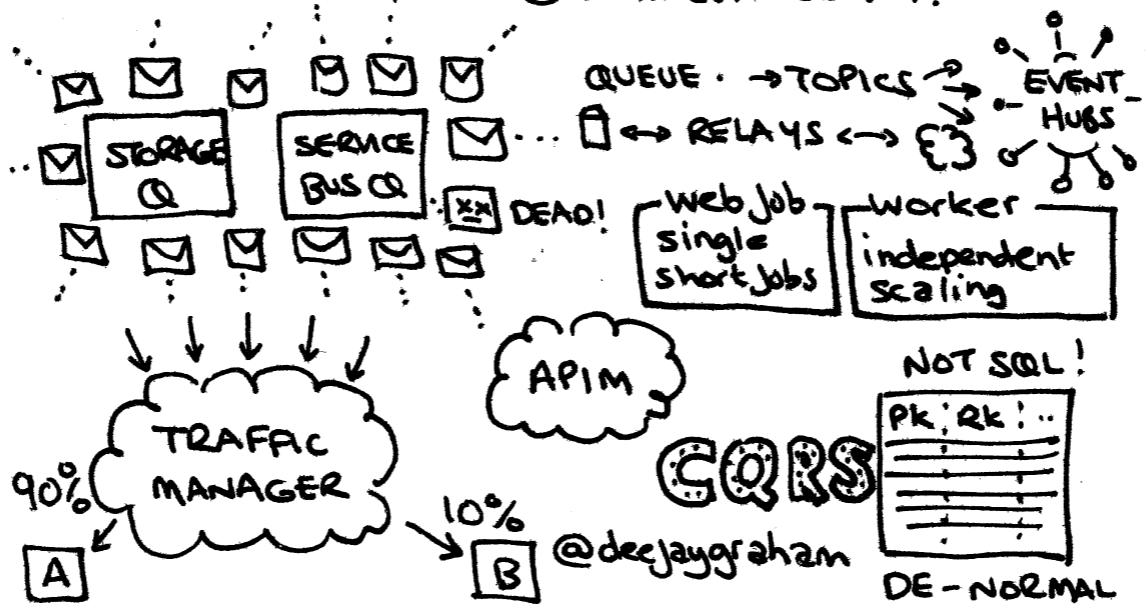
the good parts:

- deploy with
- or PowerShell



TROY HUNT
"Have I been pwned"

ARTIFICIAL DELAY!



@deejaygraham

Microservice Architectures

Peter Shaw
@shawty_ds

DDDNorth
2015

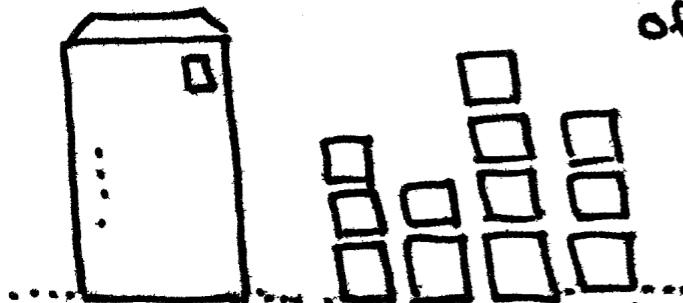
Microservice Architectures

PETER SHAW

@shawty-ds

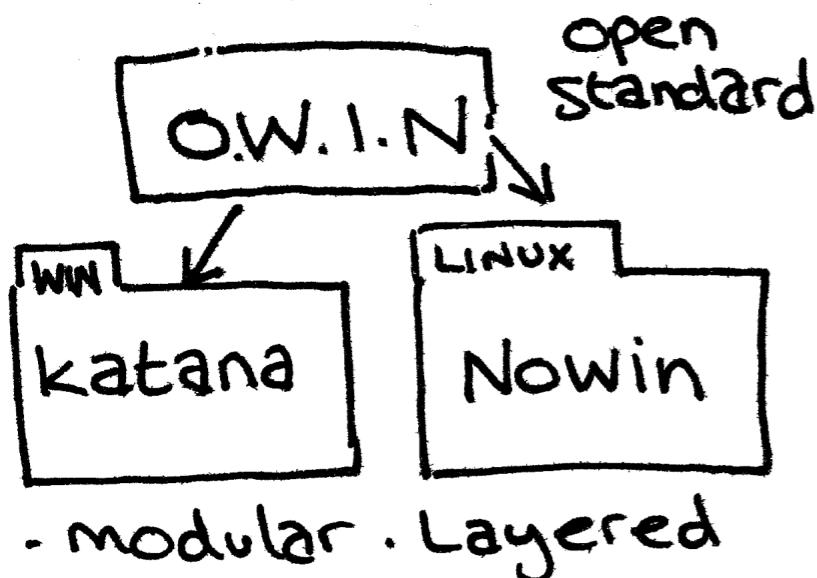


Architectural Design Pattern

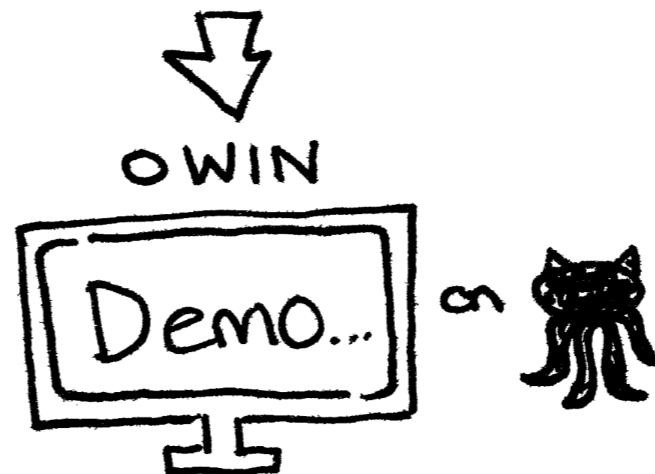


separation of concerns
not platform specific

MONOLITH / 1 orders
review customers recommend



System.Web



@deejaygraham

Real world life with Git - a year later

**Matteo Emili
@MattVSTS**

WHY?

- GEO DISTRIBUTED TEAM
- BRANCHING + HISTORY > TFSVC
- HISTORY RETAINED AFTER MERGING EASILY
- MATTEO LOVES IT



MATTEO

TFS
↓
GIT



POWERFUL @ THE COMMAND LINE OR POWERSHELL

USE RELEASE CODE NAMES

NOT SURE WHAT BENEFITS THERE ARE FOR MIGRATING FROM TFS VC FOR .NET

TAG YOUR RELEASE

|| GIT FLOW TO MANAGE RELEASES WOW (AND CONVENTIONS) MUCH

IT'S HARD TO GET COMMAND LINE SOURCE CONTROL



FREE SOURCE TREE CLIENT *



@Matt_Ferron

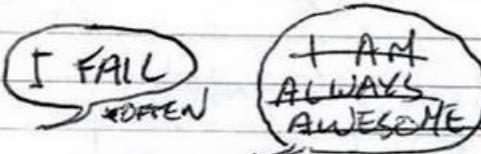
The myth of the qualified developer

Pete Smith
@roysvork

Pete@beyondcode.com Pete Smith
@roysuo
www.equalexperts.com

THE MYTH OF THE QUALIFIED DEVELOPER

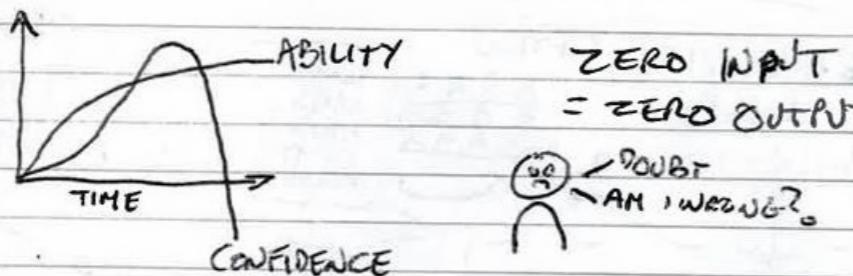
INTRO



STORY A THE MASTER PLAN
Student - I WILL BE A GAMES DEVELOPER
- FIRST I WILL GET A TEMP JOB
IN 5 YEARS LATER

MISTAKE 1

- WORKING AS A MEANS TO AN END



ZERO INPUT
= ZERO OUTPUT

DOUBT
AM I WRONG?

"YOU WILL EVENTUALLY FIGURE OUT THE RIGHT PATH ONCE YOU START WALKING IN A DEFINITE DIRECTION"

MISTAKE 2

- COASTING

Person icon: GOT A NEW JOB - YEAH!
- HIGH EXPECTATIONS

Job VS Warcraft

← SIMILAR →

IDEA - LEARN BACKFLIPS

HOME TIME - LIKE
SECOND JOBS

WORLD OF
WARCRAFT

4-5 HOURS
4-5X A WEEK

YOU ARE
THE ONLY
PERSON IN
CONTROL OF
YOUR OWN DESTINY

FAILURE
CONSTRUCTIVE
LEARN FROM
FAILURE
FAIL

IF YOU
ARE RIGHT
DON'T BE
A DICK!

DON'T ASSUME
OTHERS ARE - LEARNING
LIKE YOU IS HARD

WHY
IS THE
TEAM
GETTING
WORSE?
WHY
WONT
MANAGEMENT
LISTEN

SIEGE
RESPONSIBILITY
- OUT ZOGO -
WHAT NOW
LEAVE
DE A
CONTRACTOR

MISTAKE

- NOT EXPECTING TO FAIL
- WE FAIL WHEN WE LEAST EXPECT IT
- DON'T WAIT FOR OTHERS TO FIX YOUR PROBLEM

#1 POINT
NEVER ASSUME YOU HAVE FINISHED LEARNING

MISTAKE 3

DISGRUNTLED

YAY! AGAINST OTHERS

FRANK
I CAN DO CODE

ERM?
NO

MISTAKE
DON'T DO THINGS BECAUSE
EVERONE ELSE IS
"WE HAVE ALWAYS DONE IT THIS WAY"

LISTEN PLEASE
- NO
NEED TO
HAVE MORE
AUTHORITY?

MISTAKE - IGNORING THE PERSONAL TOUCH

[CRITICISING] CODE CAN ALSO INSULT THE COMPANY / DEVELOPER

DON'T ASSUME
OTHERS ARE - LEARNING
LIKE YOU IS HARD

LEADERSHIP?

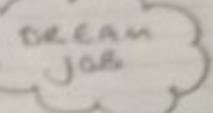
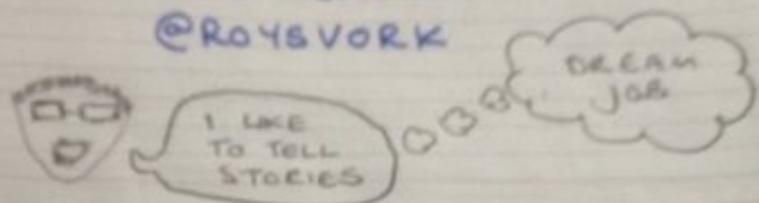
WHAT NOW
LEAVE
DE A
CONTRACTOR

@MrStevenHill

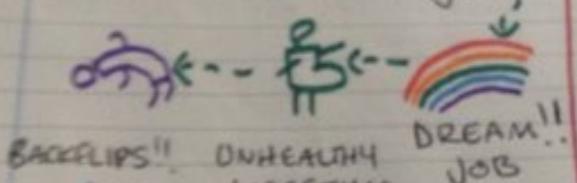
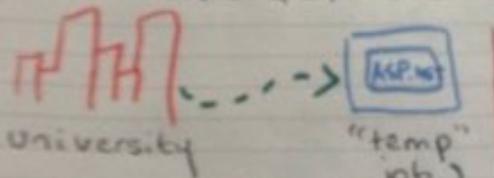
THE MYTH OF THE

Qualified Developer

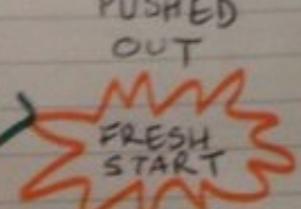
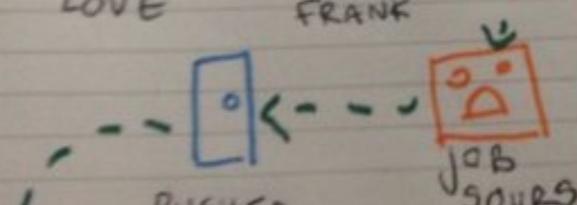
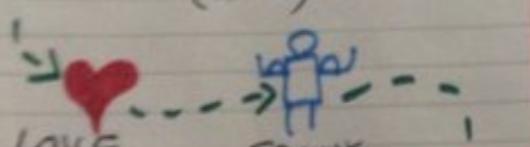
PETE SMITH
@ROYSWORK



INTRIGUE, ADVENTURE AND MYSOGINY!



BACKLIPS!! UNHEALTHY LIFESTYLE (Wow)



MISTAKE 1:
zero effort, zero return

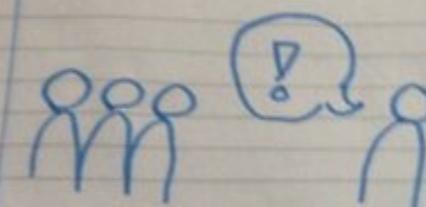
MISTAKE 2:
ability failing staying in "temp" job too long
confidence failing

MISTAKE 3:
coasting

MISTAKE 4:
comparing to other people

MISTAKE 5:
perpetuating the status quo.

MISTAKE 6:
ignoring the personal



*contracting
*took past advice on board

MISTAKE 10: assuming you have finished learning

FAILURE IS CONSTRUCTIVE

Monoliths to Microservices A Journey

Sam Elamin
@samelamin

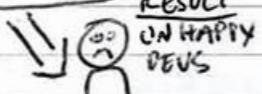
NEED TO
GET BETTER
AT PORTFOLIOS

SAM ECAMIN
@SAMECAMIN

MONOLITHS → MICROSERVICES

FAIL FAST

WHY DO MONOLITHS
GET BUILT?



GROWING
FEATURES

- ONE DB
- UNKNOWN IMPACT
- LONG + COMPLEX PROJECTS

MICROSERVICES

PUB - SUB

PUBLISHER

MESSAGE

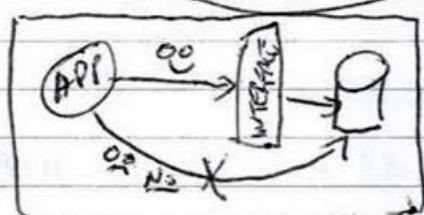
TOPIC

DOMAIN
DRIVEN
DESIGN

ERIC EVANS

SUBSCRIBER

SUBSCRIBER

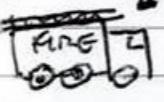


RACE HAZARDS!

- THINGS HAPPENING IN WRONG ORDER
- IMPACT ON CUSTOMERS

LOGICAL GATES

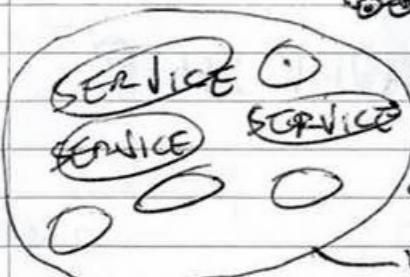
UNCLEAR
BOUNDARIES



= STRICT
CODE
REVIEWS

TESTING IS
HARD!

DEPLOYMENT NEEDS
TO BE CONSISTENT!



COMPLEXITY
IN NUMBER

TOO
MANY
SERVICES?

COMPLEX
INTERACTIONS

HEALTH

HOW TO
MONITOR

= STATE
= SELF MONITORING
- SERVICES CAN TACK

! REDUCED CODE COMPLEXITY
INCREASED INTERACTION COMPLEXITY !

GET THE BUSINESS INVOLVED
- DON'T DICTATE THE SOLUTION
- KEEP THEM UNDERSTANDING

! DATA DUPLICATION

PREFER
DUPLICATED
DATA THAN
SYSTEMS?

ORCHESTRATION LAYER

- CONTROL ORDER OF EVENTS
- MANAGE DEPENDENCIES

FAILURE HANDLING

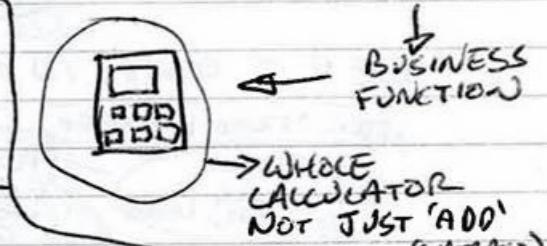
CODE OWNERSHIP
→ STATS
→ MONITORING
→ ORDER NUMBERS

BUSINESS
CONFIDENCE
IN DEVELOPERS ↑

DOCKER
VNEXT

TRY WRITING NEXT FEATURE AS A SERVICE

AUTOMATED DELIVERY
IS A REQUIREMENT
- DEPLOY 1+ SERVICES
AT ONCE



BUSINESS
FUNCTION

WHOLE
CALCULATOR
NOT JUST 'ADD'
(SUBTRACT)

MONDULUS TO MICROSERVICES

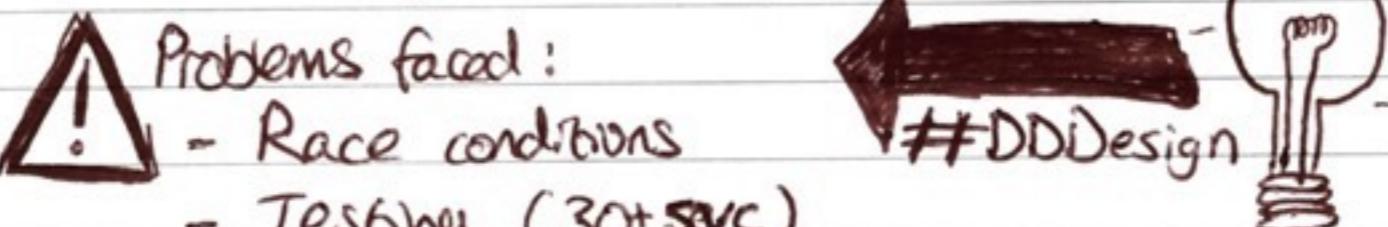
@Samuelamin

DDD 2015

MUD + COMPLEX

Business Not Buying

Back to drawing board



#GetInvolved in VISION meetings

MONITORING

- effect of your change
- Stats driven by AT

Does our PLATFORM support the vision?

@naeemsarfraz

Logging & Monitoring

How to keep DevOps happy

Joel Hammond-Turner
@ramesses



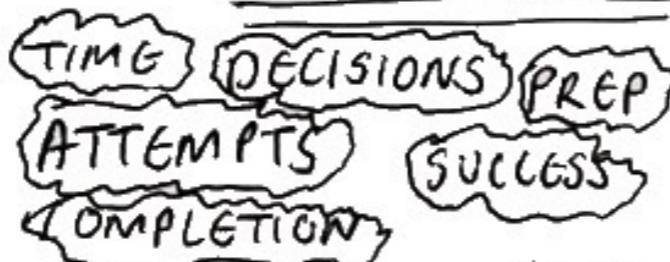
DO NOT IGNORE

EXCEPTIONS!

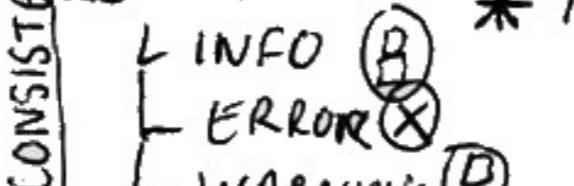
LOGGING

LOG AS IF IT'S YOUR
ONLY OPTION

LOG CONTEXT



LOG LEVELS



* Raygun.io * App Dynamics
* Metric.NET * Serilog

IT'S ALL FUN + GAMES
UNTIL YOUR CUSTOMER
BLOCKS THE RAYGUN.IO
DOMAIN!!

{ THIS HAS HAPPENED }
{ TO US!!!! }

@Matt_Ferron

DDD NORTH 2012



LOGGING



MONITORING

Joel Hammond - Turner @rammases

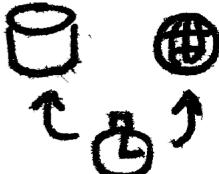
A DEEP UNDERSTANDING OF

SOFTWARE

IN

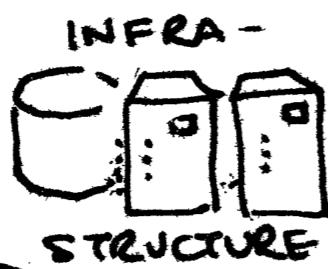
PRODUCTION

WRAP CALLS

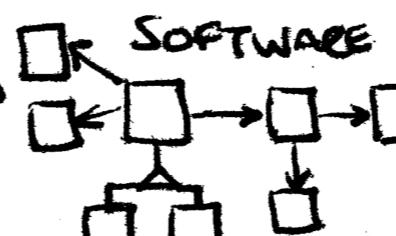


IN STORMWATCH

DEPLOY



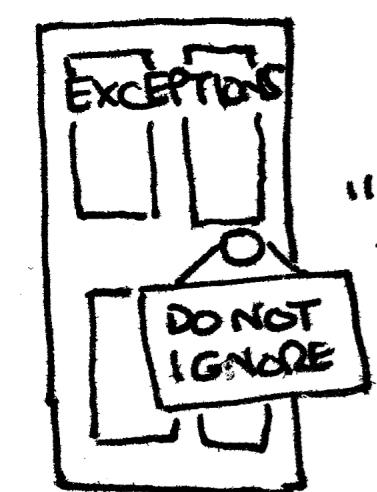
AFFECTS



PERF.
MONITOR



MONITOR
HEALTH



• handle
& warn

"NO SUCH
THING AS
AN EXPECTED
EXCEPTION"

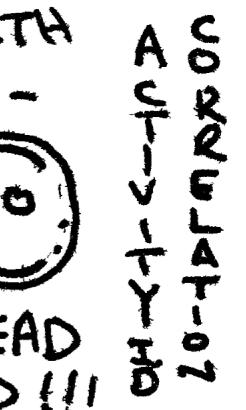
• capture
all the
data

LOG:

- ATTEMPTS
- DECISIONS
- PREPARATION
- SUCCESS
- TIMING
- COMPLETION

ONE LINE OF LOGGING
MAY BE ALL YOU GET!

CONTEXT WITH
EVERY LOG -



"LOG AS IF YOU
WON'T HAVE
ANYTHING ELSE!"



raygun.io

@deejaygraham



METRICS.NET

SERILOG

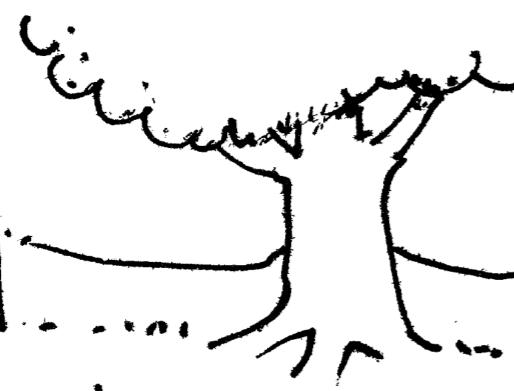
ETW

AKKA DINERS

@deejaygraham

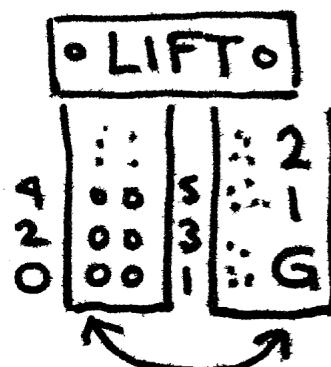
Don't Make Me Feel Stupid

Liam Westley
[@westleyl](https://twitter.com/westleyl)



STUPID!

embrace different paths



Regional Variation:

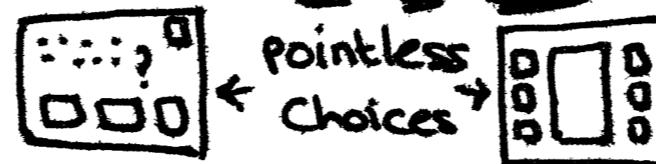
WINDOWS

TMI



VIEW STATE

APPLE
TLI

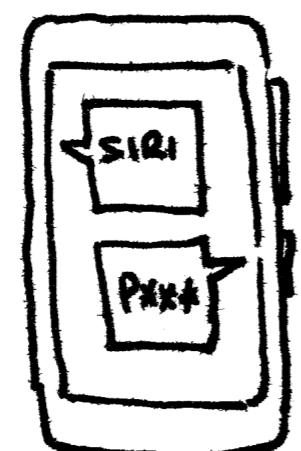


who moved

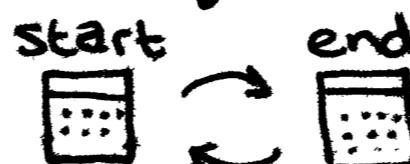


Android

Surprise
your user
in a good
way!



Beware
the
end
of
March!

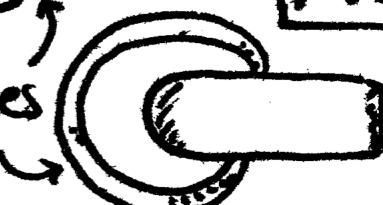


make friends with
your designers



Affordances

PUSH



"We can and should question design decisions" @deejaygraham

liam Westley DDDNorth
2015
@westleyl

IF YOU DON'T BUILD
IT, BE READY FOR
YOUR USERS TO TRY
TO BUILD IT

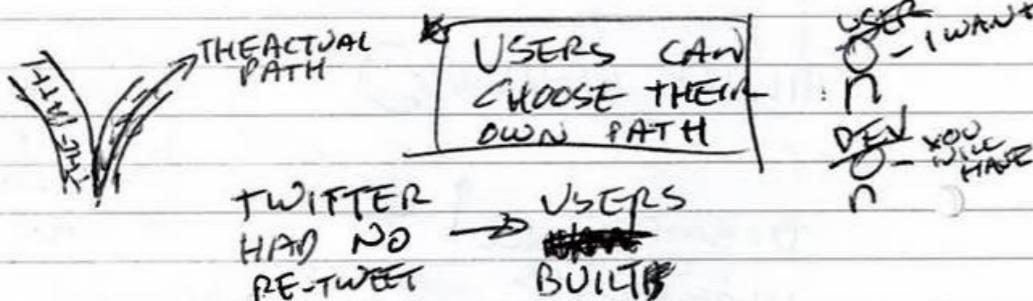
@deejaygraham

DON'T MAKE ME FEEL STUPID

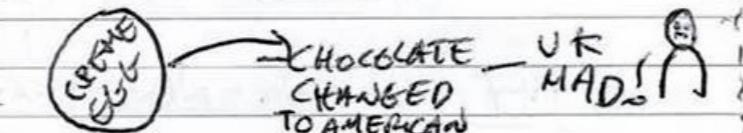
MOBILE TABLET.

VARIOUS UI

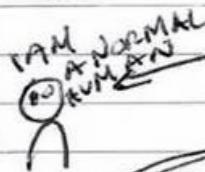
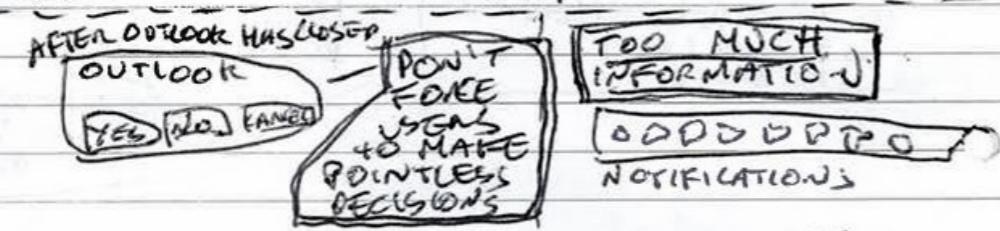
"TWO ROADS DIVERGED IN A WOOD, AND
I TOOK THE ONE LESS TRAVELED..."



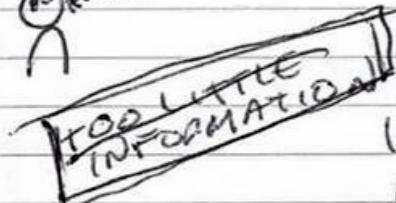
REGIONAL DIFFERENCES



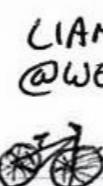
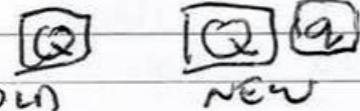
RED = GOOD IN CHINA



TECH TERMS
"RESTORING VIEWSSTATE"
ERROR MESSAGES "SOAP ERROR"



IOS KEYBOARD CASE



CONSISTENCY

RECEPTION G
(PRESS 0)

4G
3G
G

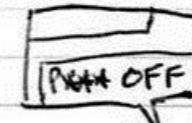
ANDROID SETTINGS
MENU
KEEP CHANGING

ctrl+F = FORWARD
GMAIL IN OUTLOOK

NOT FIND

SURPRISE YOUR USERS

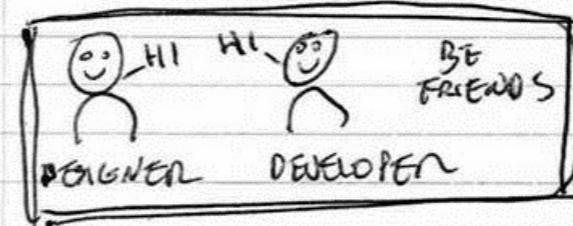
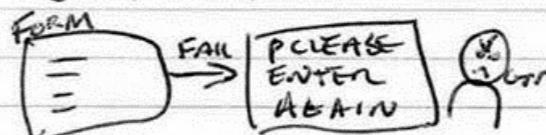
IN A GOOD WAY



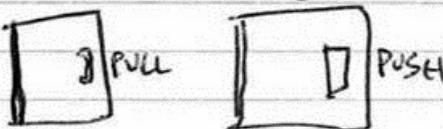
AUTO CENSOR VOICE MESSAGES

SWITCHING DATES
- CONFIRM FOR
IMPORTANT/RISKY
CHANGES
24/07
07/24

ENTER USER DETAILS



AFFORDANCE
- GUIDING HAND
TO USERS



DDD North is a free one day technical event for developers, a day of learning, discussion, contribution and involvement in the community in the North East, North West, Midlands and Scotland.



The goal of DDD North is to provide free technical education with the added benefit of the networking possibilities with peers and the development of relationships across the .NET Industry!

<http://www.dddnorth.co.uk/>
<https://twitter.com/dddnorth>

See You Next Year !

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