

Software craftsmanship in the enterprise?

- ◆ Or 'Refactoring our wetwear'
- ◆ Or 'What does good look like?'

What this talk isn't about...

- ◆ What is software craftsmanship
- ◆ Agile, scrum, kanban, waterscrumfall
- ◆ TDD
- ◆ Or Conways Law or Angular 2

What this talk is about...

- ◆ Our journey from 'it meets requirements' to pride in your craft
- ◆ Why, and how
- ◆ And what we've seen and learned

Three things I'd like you to leave
with..

- ◆ It is possible
- ◆ It needs high level buy-in
- ◆ It's surprisingly easy

Why?

- ◆ What's your longest class?
- ◆ What's your longest 'if' statement?
- ◆ What's the largest number of arguments you've seen in a method?
- ◆ That's why!

What we were wanting to achieve...

- ◆ Understanding of what is expected from a developer - 'DON'T SHIP SHIT'
- ◆ Create a culture of continuous learning
- ◆ Some in depth skills
- ◆ Exposure to many aspects of the world of IT out there
- ◆ A wide effect, rather touch everyone a bit, rather than a few a lot

How?

- ◆ Eight month bootcamp
- ◆ Facilitated, rather than lectured
- ◆ The 'gym buddy' effect
- ◆ Mixed attendees, we all learn from each other
- ◆ Everyone should attend
- ◆ All organised via slack

What...

- ◆ Software Craftsmanship, Clean Code and TDD
- ◆ Lectures, meetups and podcasts
- ◆ MOOC
- ◆ Seven.....in Seven Weeks book

Progress..

- ◆ Started small
- ◆ 1 complete, 5 running currently in varying stages
- ◆ Filled by self-selection, next one is full
- ◆ Basically, demand has outpaced our ability to deliver
- ◆ Refactoring it along the way

Learnings..

- ◆ Challenges
 - ◆ Attendance
 - ◆ Keeping pace
 - ◆ Needs discipline
- ◆ Results
 - ◆ Code quality
 - ◆ Test coverage
 - ◆ Seen as a highlight of the year
 - ◆ Improving our competitors

Three things I'd like you to leave
with...

- ◆ It is possible
- ◆ It needs high level buy-in
- ◆ It's surprisingly easy
- ◆ And lastly, it's a journey, not a destination

Thanks to ..

- ◆ Uncle Bob - 'Don't ship shit'
- ◆ Sandro Mancuso - Software Craftmanship
- ◆ My colleagues
- ◆ Chillisoft - String Kata
- ◆ Katrina Owen - Therapeutic Refactoring
- ◆ Dan Pink - The puzzle of motivation
- ◆ All the attendees so far

String kata's done for fun

- Java 7 and 8
- JavaScript (ECMA5)
- Standard ML
- Ruby
- C#
- Haskell
- CoffeeScript
- Scala
- Clojure
- RPG
- C++
- 8086 assembler
- Python
- PHP
- Objective C
- Rust
- Swift
- Elixir
- Erlang
- Generative and property based testing as well

Questions?

Hot tub link <https://github.com/mike-hewitson/my-talks>

Anyone going past the Gautrain station later?