ME - AKA Matt Cole

Standard Disclaimer & Stuff

- My views and opinions are mine and mine alone except when they are not – and those will be noted.

- If you disagree with me that is fine we are all entitled to our own opinions, but I am correct (unless you are my wife, then of course you are correct).

Who is this Guy? and Why do I want to Pay attention?

- Pre KJR
    * Start-ups, Network Support, Developer, Software Engineer

- At KJR (8+ years)
    * Consultant, Test Lead, Tech Test Specialist

- After KJR
    * Who Knows? I'll deal with that when I get there (if I get there).

- General Stuff:
    * Rowing Coach for far too long
    * Rower and athlete for even longer
    * Rock Climber
    * Dad of 1
    * Rugby Union Fan
    * Craft beer appreciator.
    * Coffee ADDICT!!!!

Disciplines I have worked In:

- HealthCare,
- Real Estate, (Don’t hate me)
- Insurance,
- Banking & Finance,
- Safety Critical,
- Transport & Logistics,
- Education
- Gaming

What I Like

What I’ll Cover…

- TOC – To be inserted

Pop Quiz?

- We all loved these at school, so I’m going to do one now.

Oranges and Apples

- One of the many question I am regularly asked is ‘what is the best Automation or Performance tool/Framework out there?’ …..

- My typical response to this is:

What is the best car there is?

TRITON

Make it fit for purpose

- It all depends on what you want to do with it and how you are using it
  - If I wanted to go to the tip of Cape York, the Ferrari would clearly not be suitable.

- A good ~~Car Salesman~~ Consultant will ask these, and many more.

- If you have an application that runs only on Fruit Device, there is no point in me suggesting an automation framework for the Pane of Glass Forms. As it simply would not be suitable and you'd hate me for steering you down a dud path.

Shock Horror – He said What?

- You don’t always need Automation, but it can help – when implemented correctly. Especially if you want to do DevOps.

DevOps – What is it Actually?

- Everyone has a definition, and like everything new they are all different.

What is my definition?

A lot of organisations see it as Unicorns and Rainbows!

DevOps
Sec

Why is it so hard?

- Can’t be done over night
- Needs buy in from all levels.
- Requires organisational shift in mentality

Happy Happy Joy Joy

- large global online community Dev Ops Example
- From 1 drop to prod every 3 months to 30 deployments a day

- Automation failure –
  - Accidental check in of code by developer, passed auto testing
- Telemetry Win
  - Detected drop in usage & raised alerts

- Do you know how your users are using the system?
- How can telemetry help you as a tester?
- Multi choices for telemetry collection.
  - On site or cloud
  - Myriad of vendors.
  - Free/paid solutions

Are you winning?

- Monitoring Vs Telemetry Vs Analytics.

- Monitoring will tell you if your system is:
  - Up
- Telemetry can tell you if your system is:
  - Usable
- Analytics can tell you
  - what/how the system is being used

QA Vs. QA

- Quality Assurance or Quality Assistance.
- Quality is not always about preventing a failure. It can also be how you respond to it when it happens.
- How do we react when a failure happens?

Software as a discipline

- At work we all need to be a three year old child again,
  - Ask why constantly.
    - Why do you want it to do that,
    - Why does it do that
    - Why doesn’t it do that
    - Why don’t we try this
    - Why do we do it this way
    - Why am I here
    - Why am I doing this
    - Why do I want to be part of this team

Why do we need this?

If Software was an Olympic Sport

- Regularly check achievements and measure against pb’s
- Standards are set, and every athlete aims to reach them (WR)
- Every movement or action is analysed from every angle
- Data is recorded constantly
- Constant aim to improve
- Budget would be greater

How to get where you want to be.

- Identify your desired outcome or desired state
- Actually identify the flaws, preventing you from getting there
  - and be honest about it.
- Identify ways to improve or overcome the flaws
- and continually question yourself

- Find the solution that works best for your team. There is no one size fits all solution (if there was I would be unemployed).

- I’m here to do a job, and deliver an outcome, Not to make life long friends (That is an added bonus)

- Do as I say, not as I do.
  - Painters houses and all that

Further Readings

- Peter Provost – I Think vs I Know Alm forum.com 2015
- Mike Britain – Alm Forum – 2014
- Brian Harry – Azure Feb incidents
- Pete Cheslock – DevOps Unicorns and Rainbows

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 If you really want it – come and ask.

Thank You! **Any Questions?**