Everything is Terrible

(and we’re to blame)

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Disclaimer:

- This talk may contain (or cause) sudden outbursts of profanity by the speaker, or the audience.
- Audience participation is encouraged.
- This talk may increase your blood pressure and stress levels.
- It may also decrease your faith in humanity, or at least our industry.

This talk is BYOB and no, I’m not sharing.
Who is this guy?

- Currently with Red Hat
- Linux Systems Administrator since 1999
- CentOS Project member since 2004
- Defense Industry consultant - (USAJKFWSWC G-6)
- Oil Industry consultant
Idealism vs reality

The first project
CHANGED PRIORITIES AHEAD
So now you have OPTIONS

Continue?

Evaluate Alternatives
This is not okay

What we do hits every aspect of daily life
Banking and financial markets

- Knight Capital lost $440 million in under an hour

- Citigroup used legitimate transactions as test data for 15 years without noticing
  - http://www.theregister.co.uk/2016/07/13/coding_error_costs_citigroup_7m/

- In 2010 the stock market lost over $1 Trillion in a 36 minute crash, with no clear explanation
  - It happened again in 2015 too, despite regulatory protection enacted after the 2010 incident

- Our very own Ben Cotton had to explain why leading 0’s might be important
But it’s not just money

- Three words: Galaxy. Note. 7
- Malware is compromising medical devices in hospitals
- The F-35 is so ridiculously buggy that pilots under 165lbs can’t safely eject.
- The San Francisco Muni was *accidentally* infected with crypto malware
This is just the accidental stuff
What about intentional bad behavior?

- What will happen to your users if you get bought out and someone kills your project?
  - https://www.engadget.com/2016/12/08/fitbit-pebble-acquisition/
- Volkswagen violates emissions testing
- A desire to protect a business model, assets, or IP
- This could even involve ignoring security entirely, because hey, who’d attack a wireless camera?
Oh hell, he mentioned IoT

... 

Don’t worry, this is just a shameless plug for another talk
So what’s the solution?
Certification?
Educational Requirements?
Turns out it’s us.

... But of course it’s more complicated than that.
So you’re not giving us an answer?