

WHO YA GONNA CALL?



# There is No Weekend Release, Only Zuul

Steve Neely  
@stenvoon



# Agenda

What's the deal with Ghostbusters?

Starting with an existing codebase

The equestrian adventure

The gatekeeper

The next episode?

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## **What's the deal with Ghostbusters?**

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What's the deal with Ghostbusters?

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The equestrian adventure

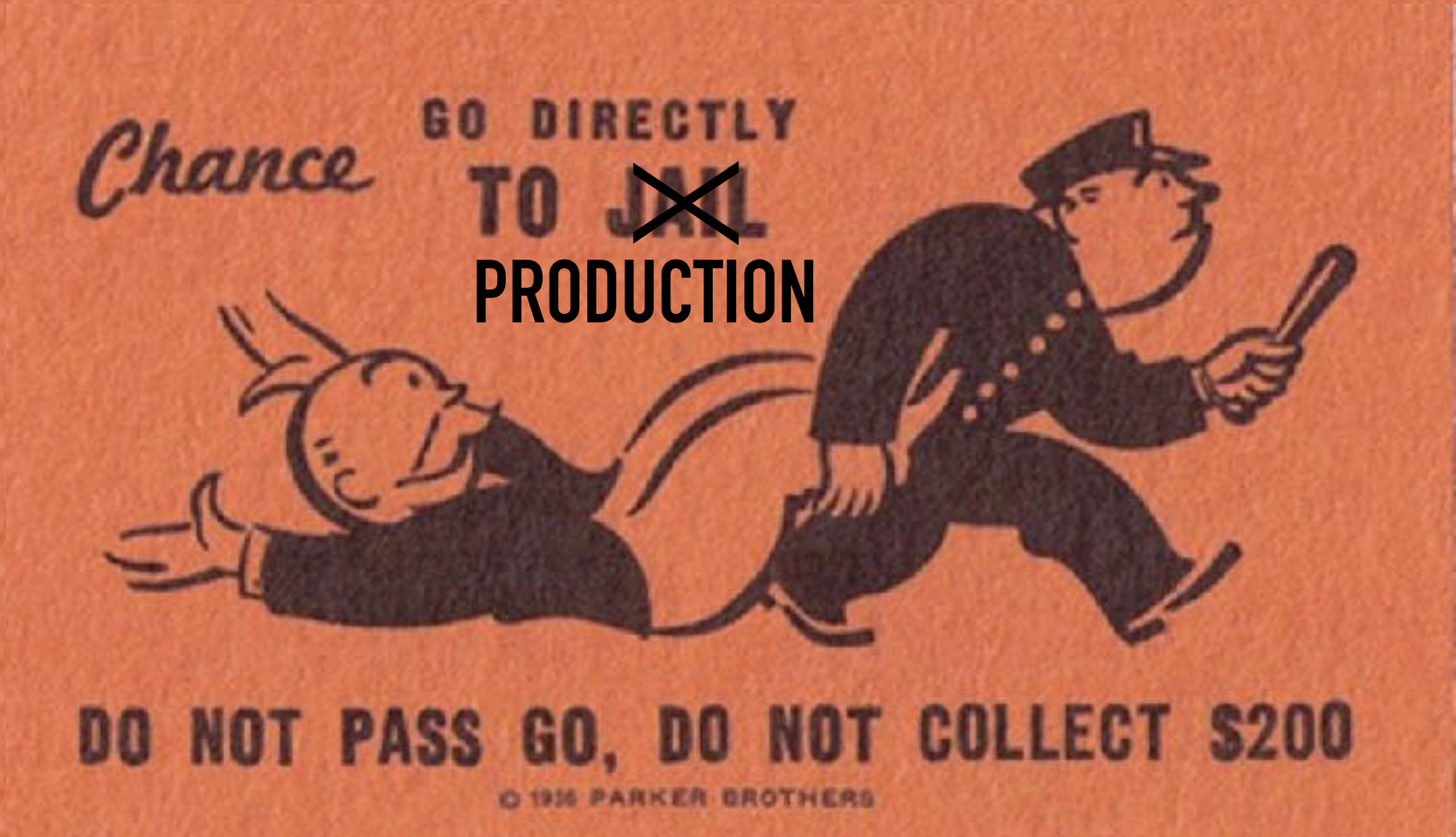
Zuul the gatekeeper

The next episode?





# Continuous Deployment?



# Engineering, why?

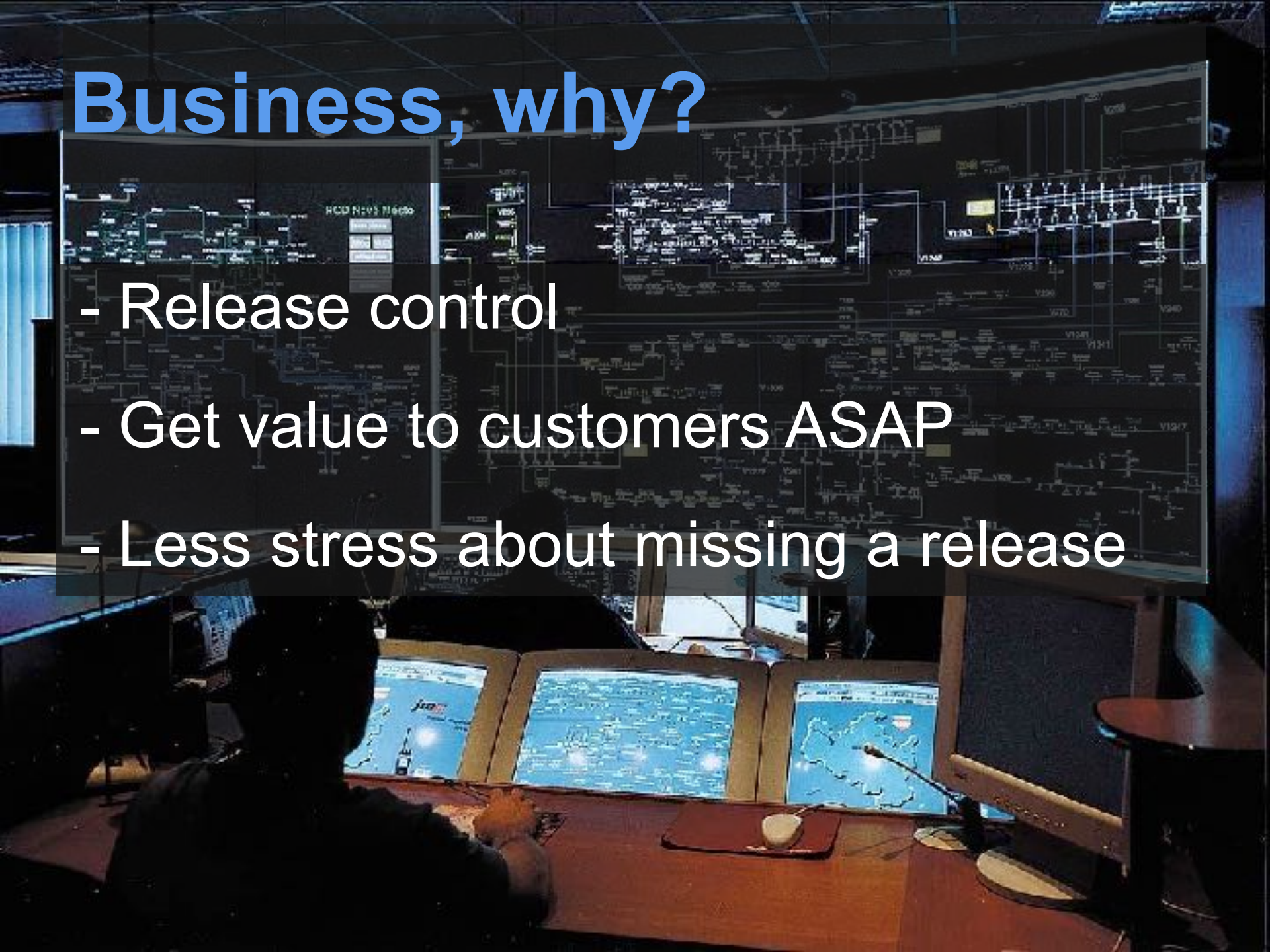
- Smaller batches
- Less stress
- Flexibility
- Quality
- Fun!

FUN!



# Business, why?

- Release control
- Get value to customers ASAP
- Less stress about missing a release







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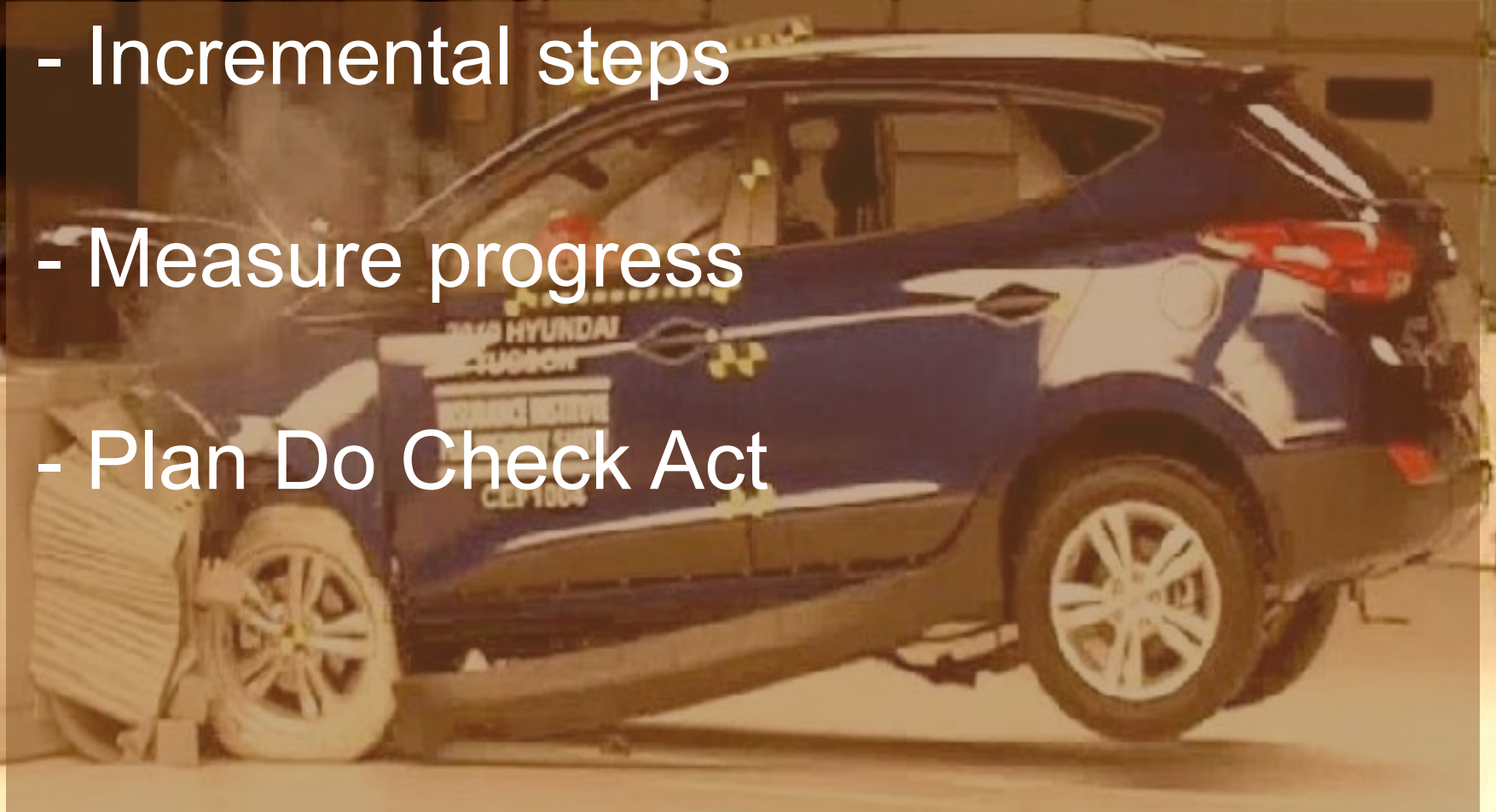
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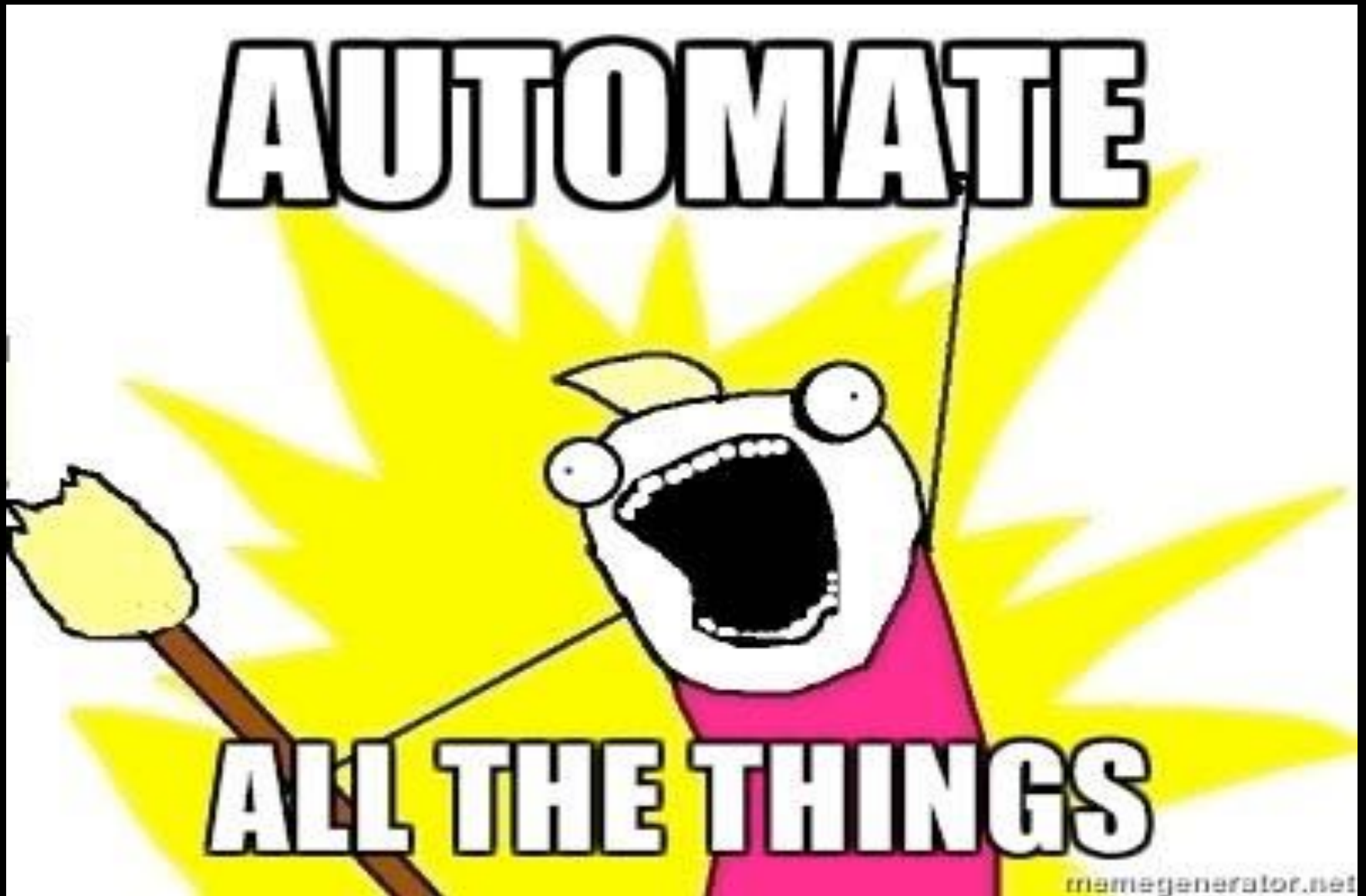
# Didn't go from 80 to Zero

- Incremental steps
- Measure progress
- Plan Do Check Act





Where did we start?







# Deploy, now?

What prevents you from deploying **NOW** ?

- manual test phases?
- manual deployment steps?
- cold database migrations?
- unknown performance implications?

# Faster Test Execution





# Trust Your Tests

Are your tests nondeterministic?

- teams will stop listening

**Ignoring tests that regularly fail?**







# Feature Toggles



# Obsessive Monitoring





# Chat Ops

**Jarvis** (jarvis flowcock)  
Active a few seconds ago

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**Jarvis** The Fellowship, Jarvis, clojure, ALM, developers, Zou!, Leather Pants, Support, Puma-potter, Mr Rogers, What-if Machine

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Wednesday, July 10  
Jul 10, 2013 8:45

**Jarvis**

```
Formatted ID: DF1799A
Name: Rally LoginKey Requiring Authentication on Read-Only User
Owner:
Project: Integrations
ScheduleState: Ideas
Description: <div><p><b>Update #2 8/7/09/2013</b></p></div> <div><p><b>For /></p></div></div>I have replicated the issue internally, although the issue seems to be different.
https://loginapi.rally2.rallydev.com</div> <div><br /></div>The user has attempted regenerating the encoding key within the code, without success.</div> <div><br /></div>
Detail link: https://rally1.rallydev.com/#/detail defect/12862188766
```

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Friday, April 1

**StevenN** -ping

**Jarvis** Yes sir?

**StevenN** -help

**Jarvis**

```
All known plugins -
~assign-team <org> <repo> <teams> <team> ... - Grants the GitHub teams permissions for the org/repo. I~assign-team "MyOrg/Repo" "My Team" "AnotherTeam")

~assign-user <username> <team> - Assigns the _user_ to the GitHub team. The team must specify which org it belongs to. For example (~assign-team my-name "MyOrg/MyTeam"). Note
sure you use double quotes when specifying teams.
```

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...

**StevenN** ~assign-team RallySoftware/bloggers.cauconali

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Chat with Jarvis... Send

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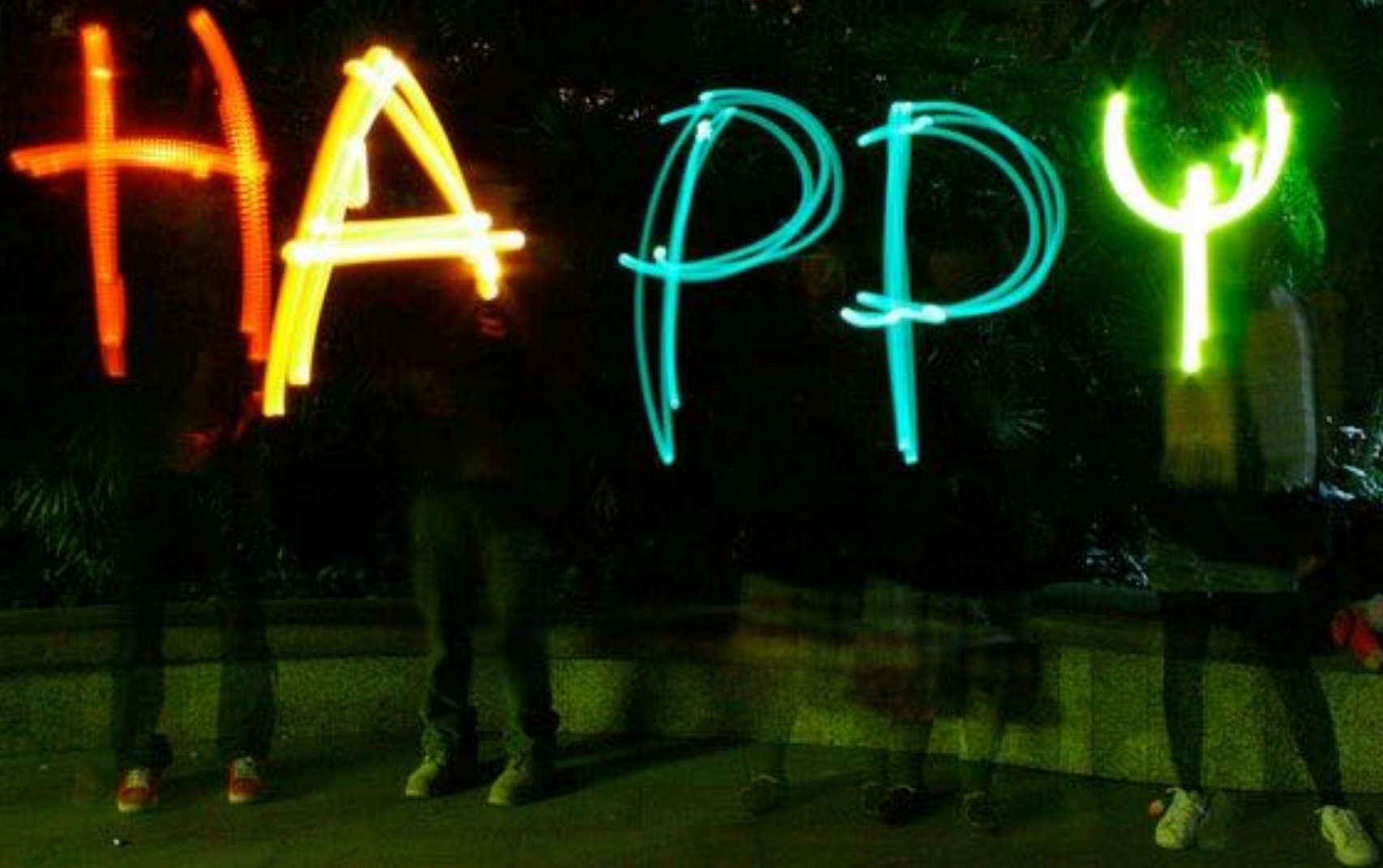
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# SEARS TALKING COMPUTRON™

AGES 5 AND OLDER

Builds skills in  
math, spelling,  
reading, music,  
strategy & more!

The pre-computer with the friendly computer voice!

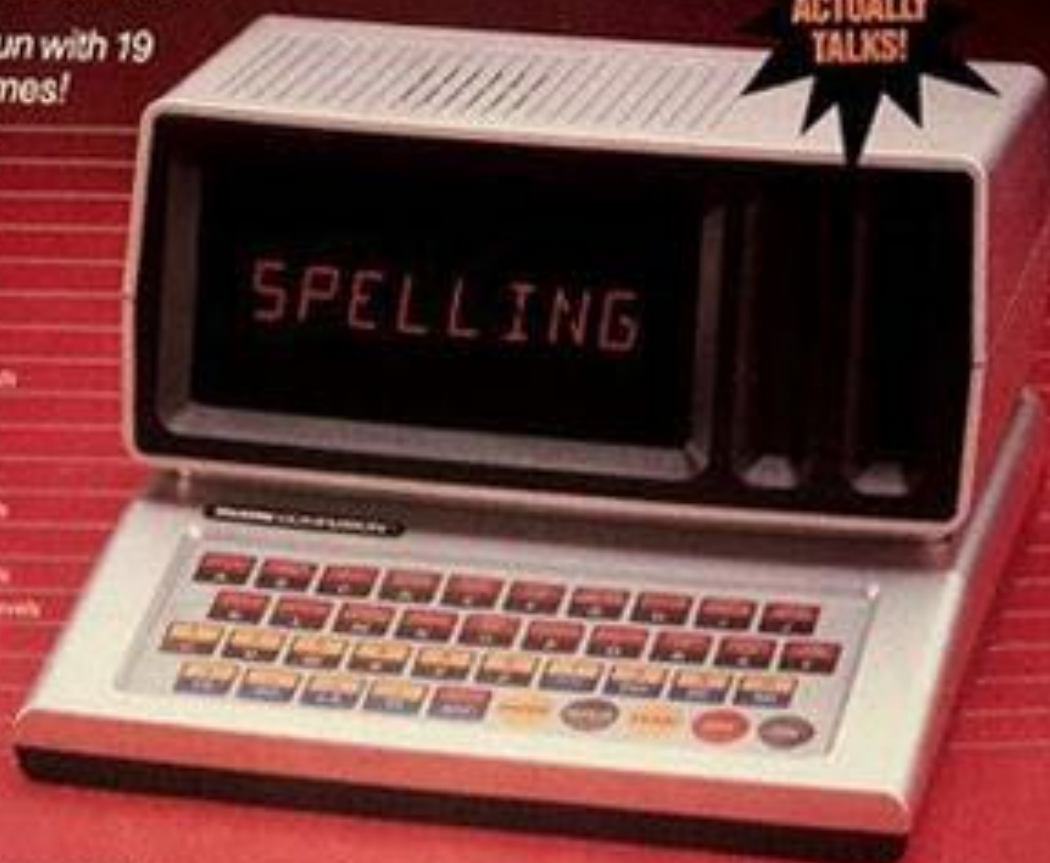
- Electronic Learning Aid and Instruction Book included.
- Additional word cartridges and storybooks available.
- Automatic shut-off reduces battery wear.

*Makes learning fun with 19 activities and games!*

1. Learn & Spell 120 words
2. Spelling quiz
3. Say It
4. Missing Letter
5. Begins with — first spelling
6. Hangman
7. Two Player Hangman
8. Discipline — scrambles words
9. Two Player Discipline
10. Addition — 3 skill levels
11. Subtraction — 2 skill levels
12. Multiplication — 3 skill levels
13. Division — 3 skill levels
14. Math quizzes — 3 skill levels
15. Math operations — 2 skill levels
16. Deduction — logic game
17. Musical follow me
18. Memory tune
19. Music Lesson

Instruction  
Book included

Uses 6 "C" batteries or AC adapter (not included).  
Alkaline batteries recommended for best performance.



ACTUALLY  
TALKS!

~~Keep it~~ simple.

# Continuous Deployment









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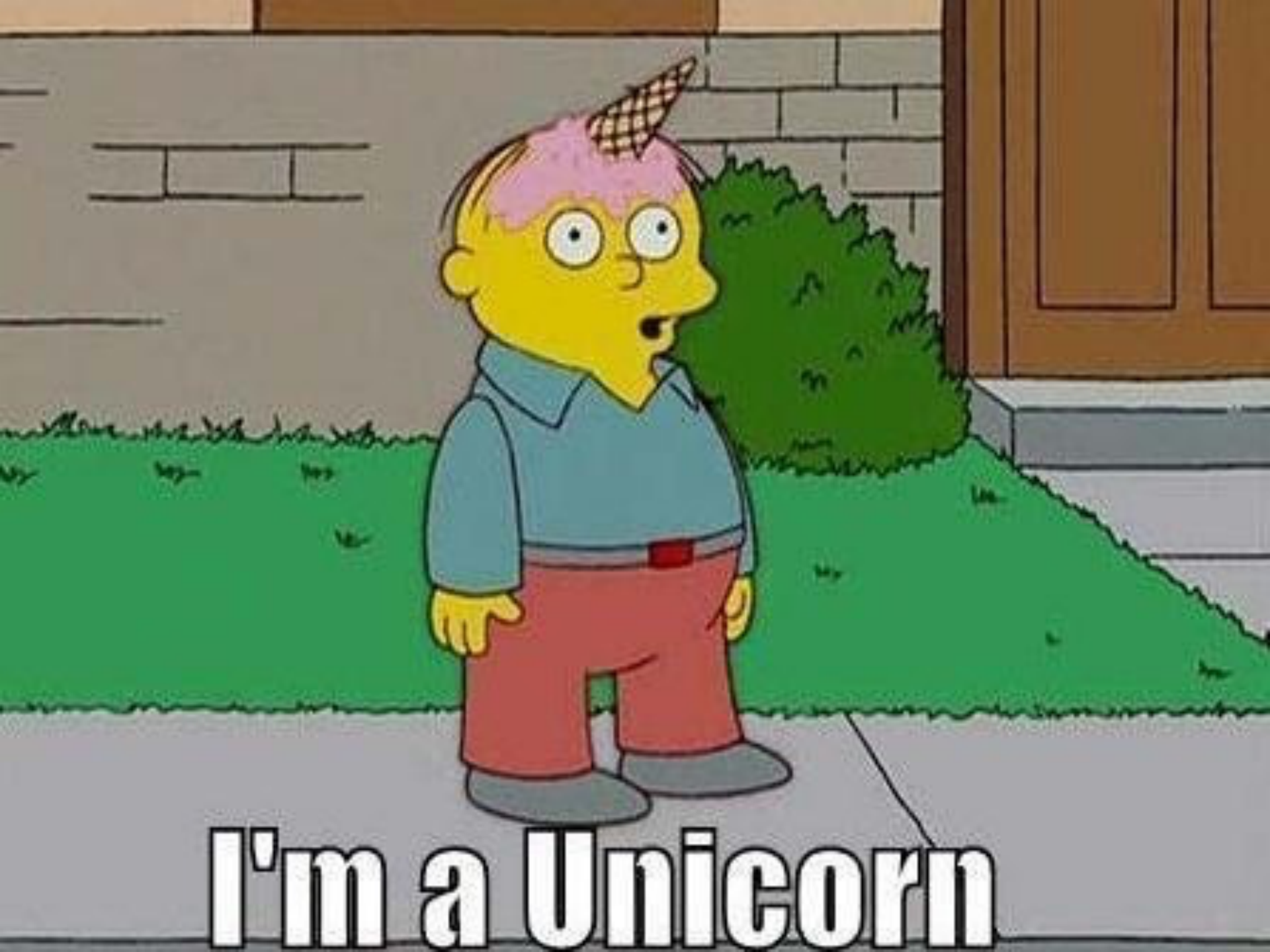
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**I'm a Unicorn**



# The Big Secret

**An advanced level of  
engineering discipline is  
required to support  
continuous delivery**



# It's a Journey

Even if you don't get to  
continuous deployment,  
**every step is an**  
**improvement** from where  
you are now











We've come a long way... but  
we still haven't figured out...







**Steve Neely**

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@stenvoon



**RALLY**  
S O F T W A R E