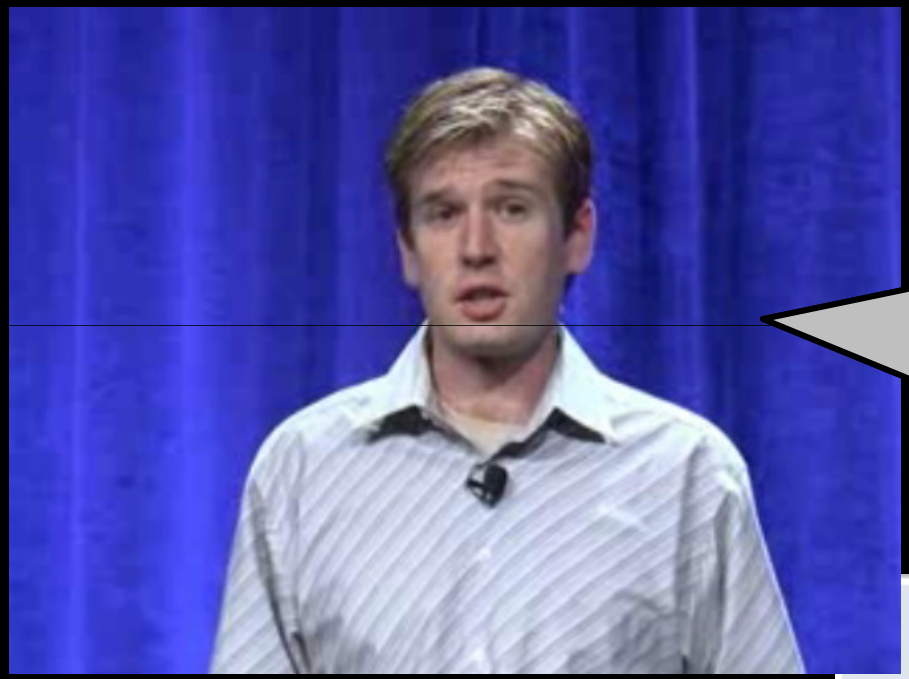
http://www.infoq.com/presentations/Facebook-Moving-Fast-at-Scale (60 min)

facebook

Moving Fast at Scale

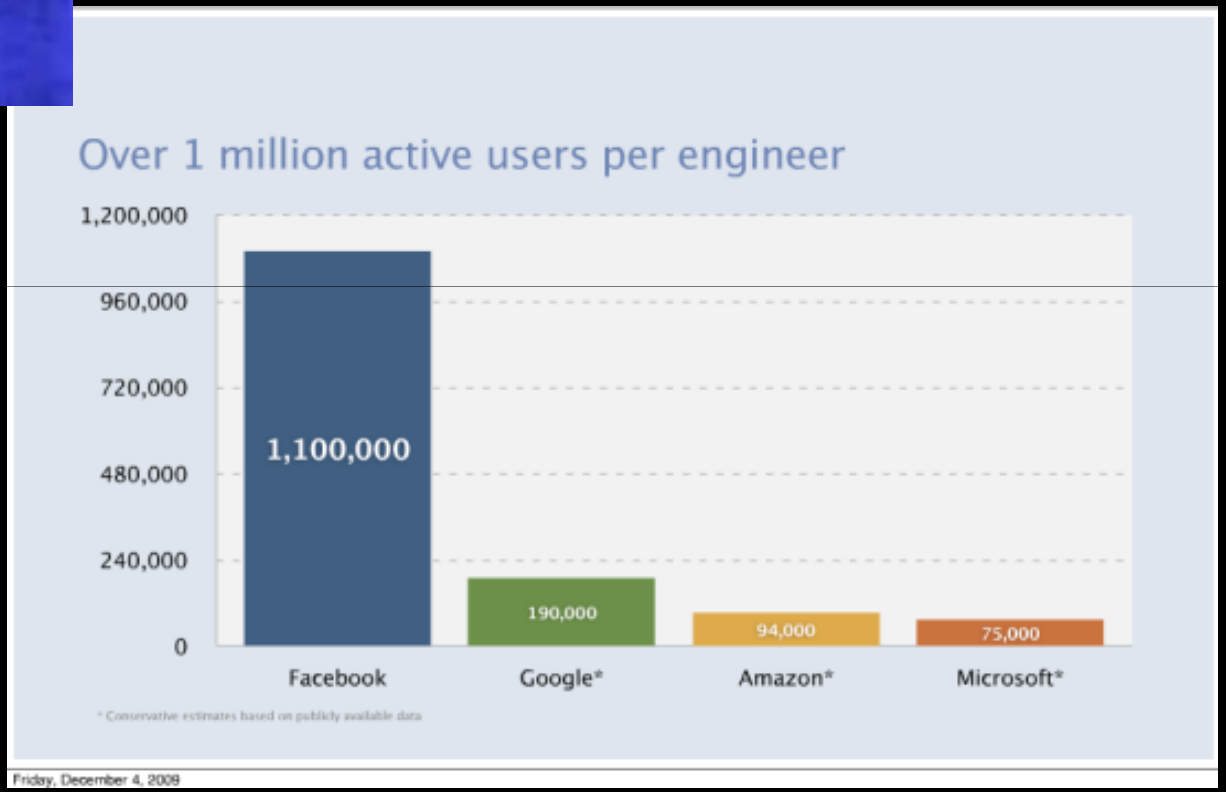
Robert Johnson

- Fast feedback loop
- Architecture
- Engineer = Dev + QA + Ops
- Hide features
- Monitoring



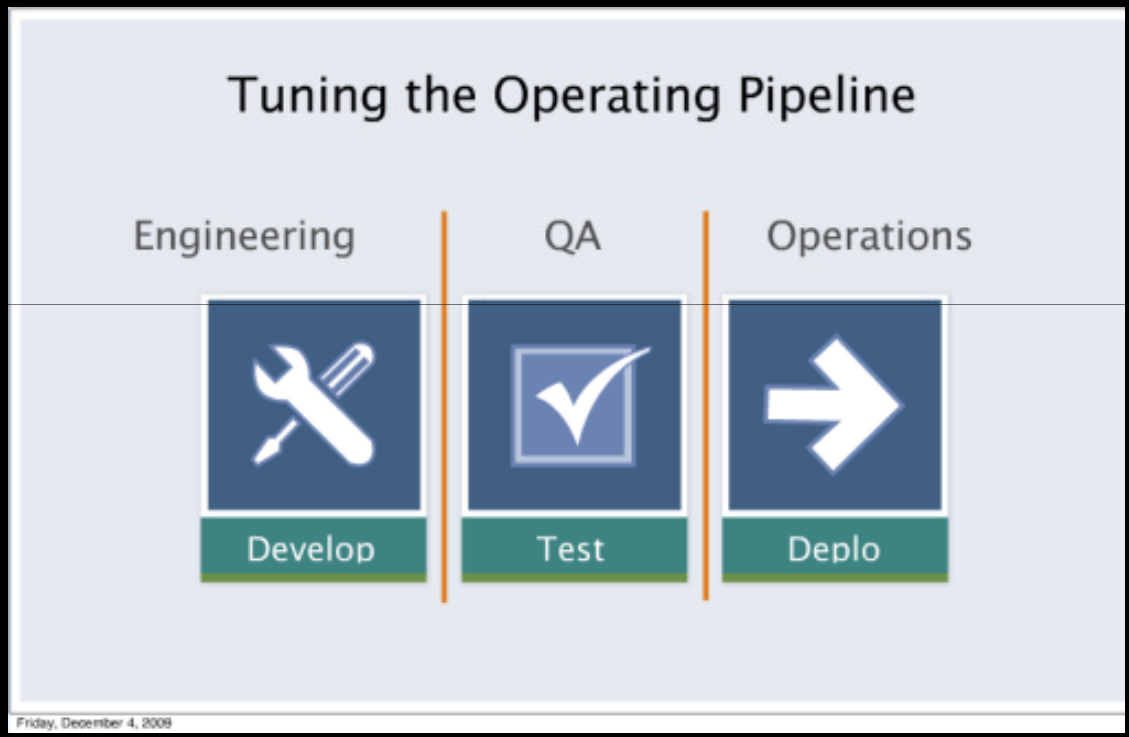
If I had an idea last night…
…I coded it up this morning…
…I got it on the site this afternoon…
and tomorrow I got data.

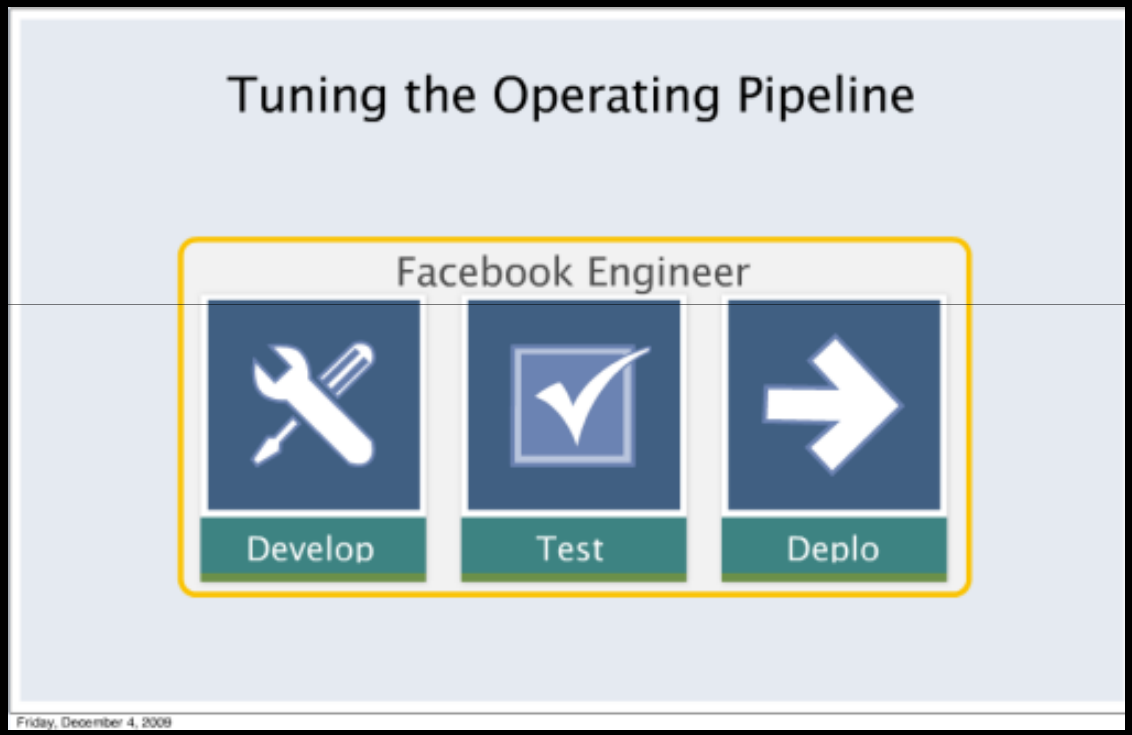
In a couple of weeks I've learned as much as I would have in over a year in a regular system.



Never block developers
Give them control
Tune processes for speed

Do less work
Build tools
Work with open source


Tuning the Operating Pipeline
Engineering
QA
Operations
Develop
Test
Deplo
Friday, December 4, 2009


Tuning the Operating Pipeline
Facebook Engineer
Develop
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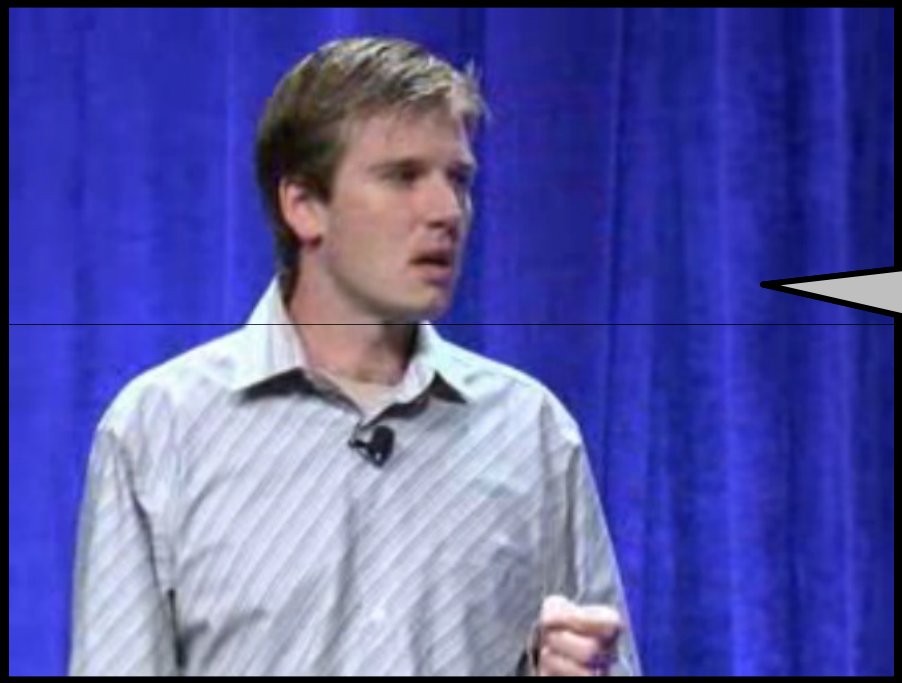
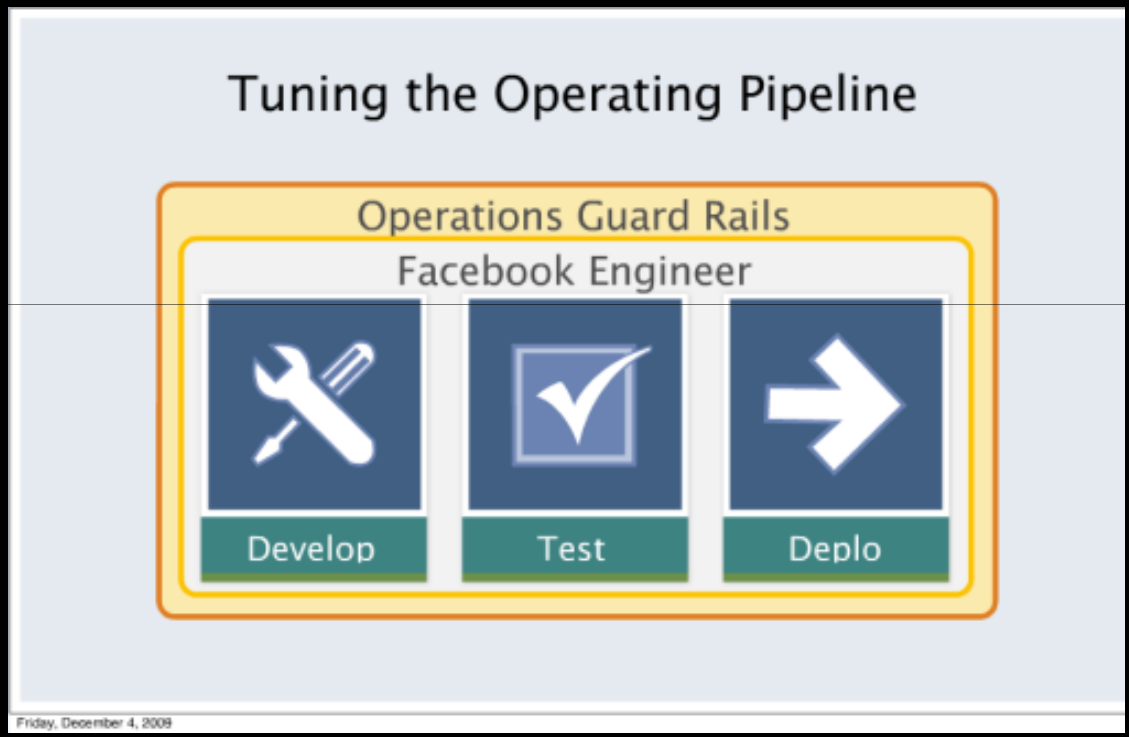
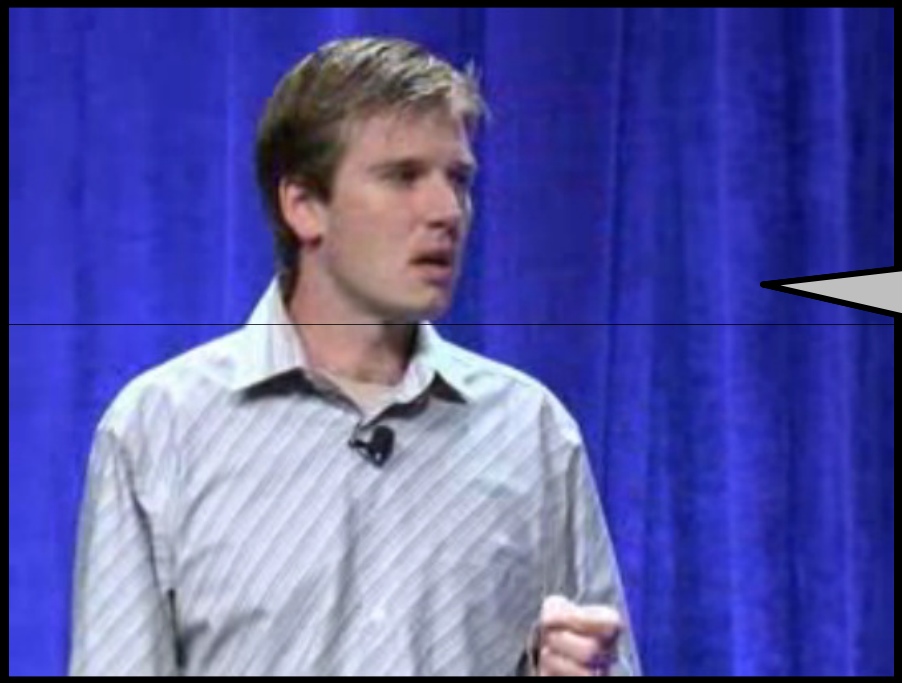
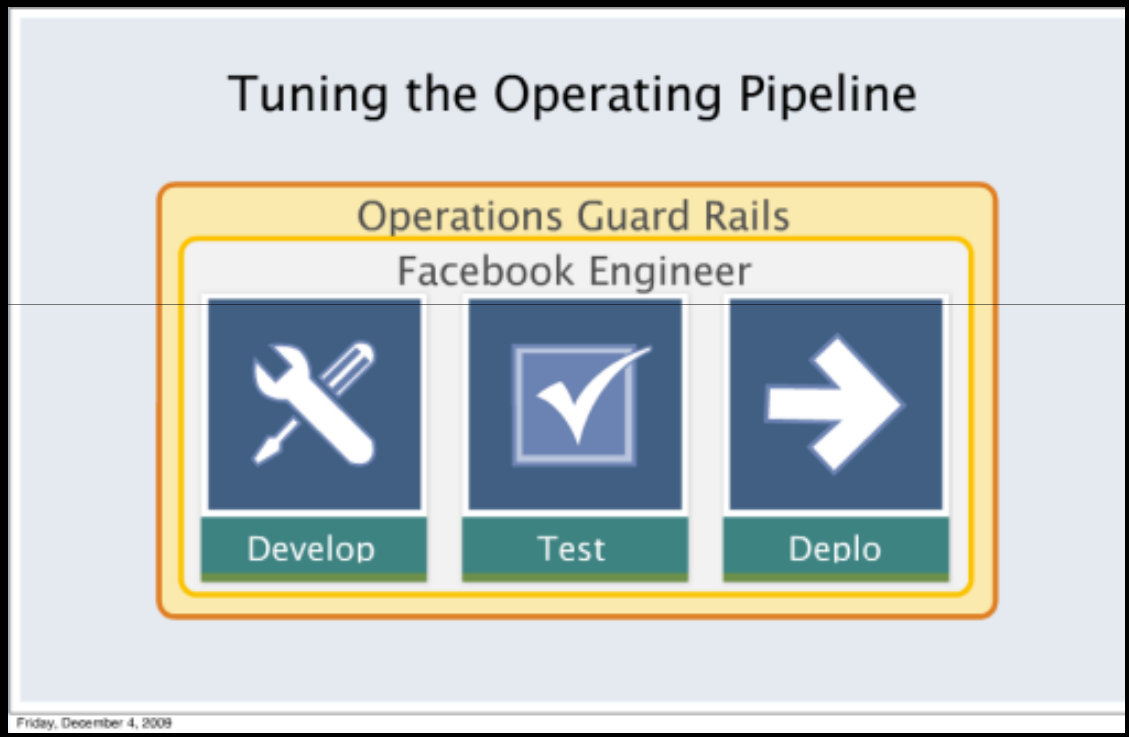


At the end of the day it is the person who writes the code who is responsible for whether or not it works.





Do not shield developers from problems that happens with their code.



Frequent small changes

Never a delay waiting for a push

Easier to isolate bugs

All development in trunk
Weekly release of trunk
Daily release of minor changes
Bug fixes at a moment's notice

Gatekeeper

Separates deployment from launch

A/B testing

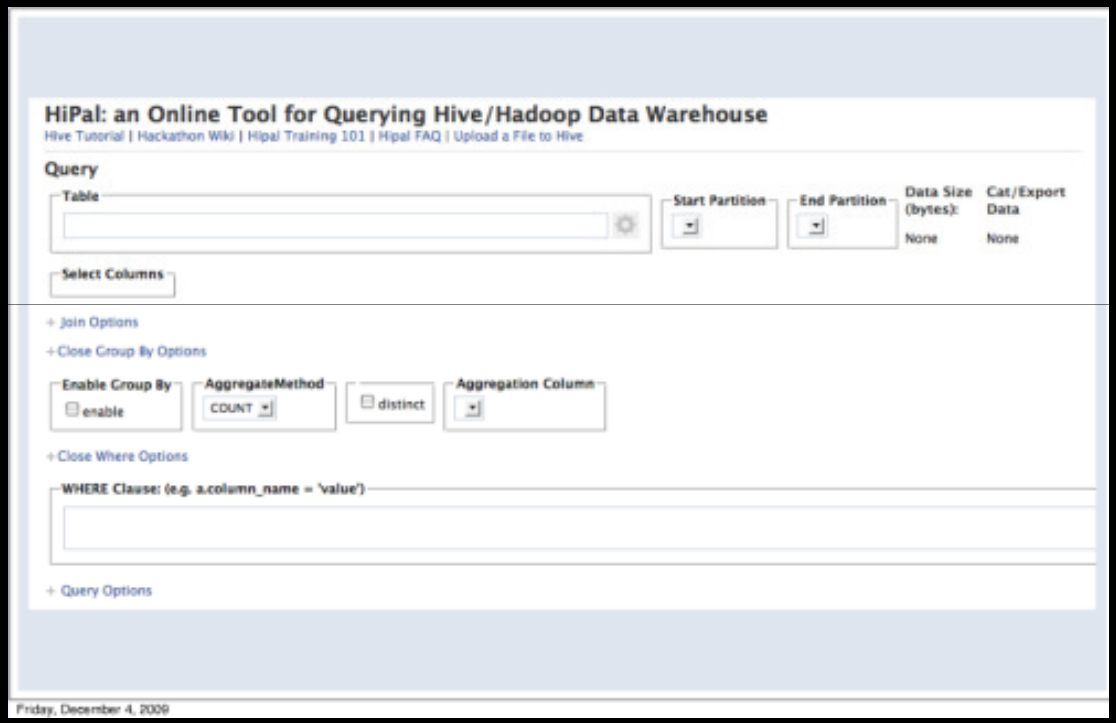
Targeted launches

Dark launches

Gradual launches

Monitoring Tools

- Good monitoring gives a safety net for moving fast

Anyone at the company can go to this GUI and query petabytes of data…

…and it's really not only engineers doing that – business and analyst people as well.