



BALTIMORE

— DRUPALCON 2017 —

Understanding the Dark Side

An Analysis of Drupal (and Other!)
Worst Practices

Kristen Pol

Understanding the Dark Side

An Analysis of
Drupal (and Other!)
Worst Practices



Kristen Pol

My name is Kristen.

- CTO / Senior Architect
- 20+ years tech
- 13 years of Drupal!
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**HANDED THE MOST DANGEROUS
WEAPON IN THE GALAXY**

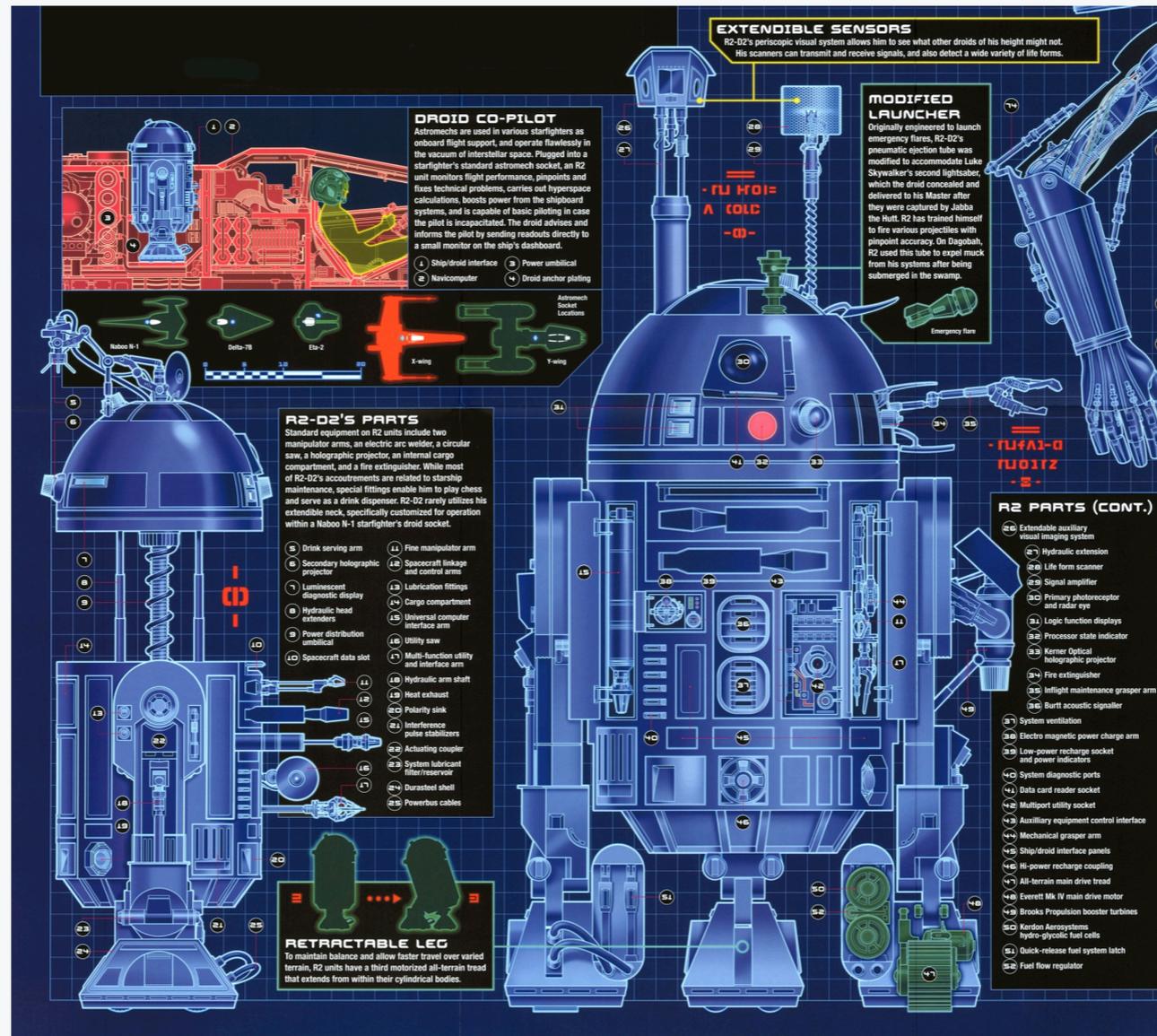
**IMMEDIATELY POINT
AT FACE**



Bad devops and processes...

Bad devops and processes...

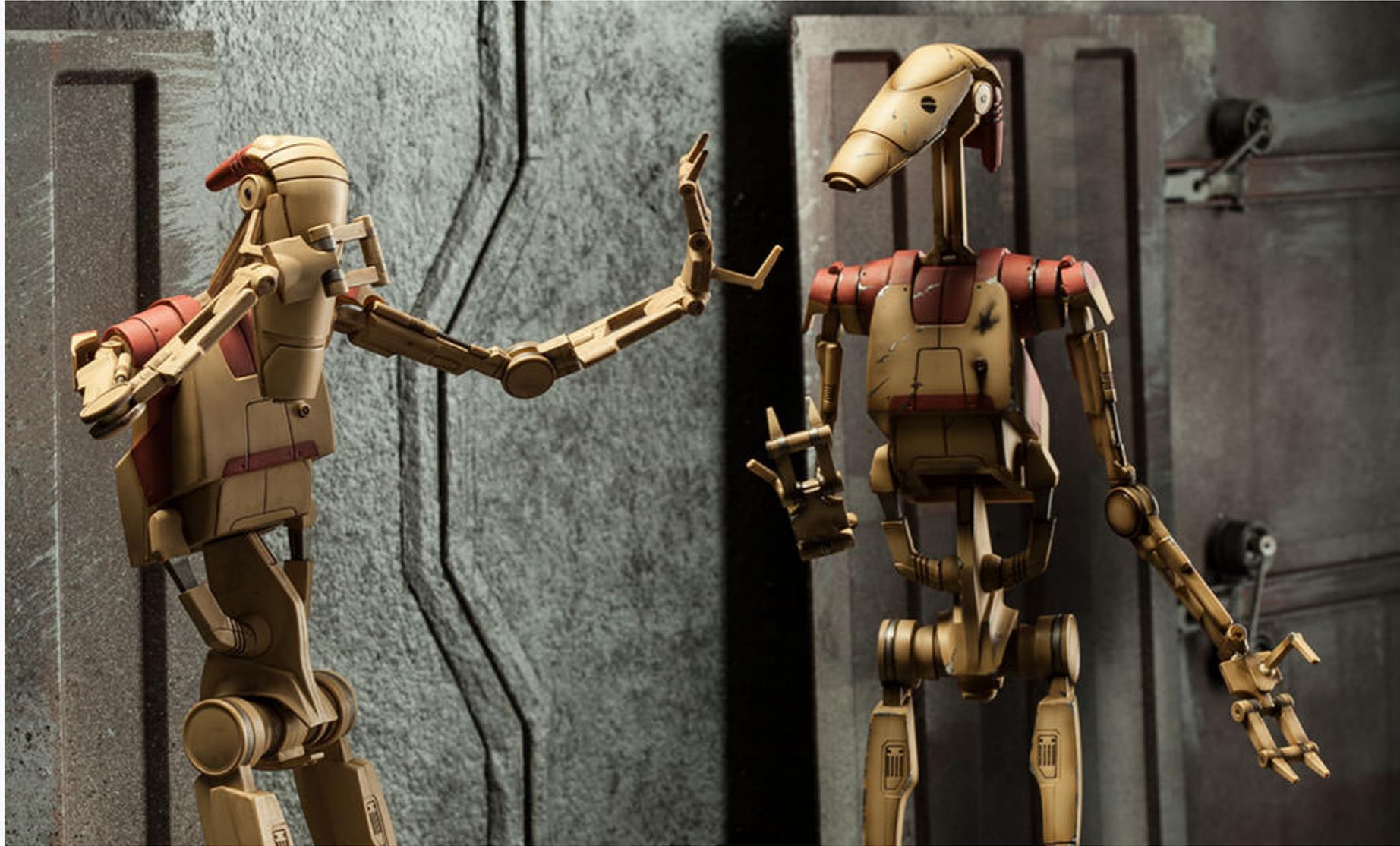
- No backups
- No development workflow
- No error/uptime/speed monitoring
- Outdated core & contrib
- Forget to run drush fra & updb
- Overriding Features on live



No or poor documentation...

No or poor documentation...

- No or useless READMEs
- No or poor code comments
- No patch information
- Bad or inconsistent naming
- No theme style guide
- Not using Drupal coding standards



Allowing too much control...

Allowing too much control...

- Php filter
- Javascript injector
- Permissive text filters
- Body field with “all” the HTML
- Wysiwyg with “all” the buttons
- User 1 or admin is used by all



Having too many “things”...

Having too many “things”...

- Display Suite + Panels + Context...
- Duplicated fields
- Files at top/same directory
- Add files, backups, etc. to repository
- Lots of views, content types, blocks...
- Install ALL THE MODULES!!!

HACKING CORE & CONTRIB



If you don't know Drupal...



You will make mistakes...



So...



Questions?



THANKS!

Have more questions?

answers@hook42.com





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**WHAT DID
YOU
THINK?**

Locate this session at the
DrupalCon Baltimore website:

[http://baltimore2017.drupal.org/
schedule](http://baltimore2017.drupal.org/schedule)

Take the survey!

[https://www.surveymonkey.com/r/
drupalconbaltimore](https://www.surveymonkey.com/r/drupalconbaltimore)

THANK YOU!

More stuff...



Developer?

Site Builder?

Newbie?

Intermediate?

Project
Manager?

Who are you?

Expert?

Themer?



Let's talk about...

- UX
- Devops
- Front-end
- Architecture
- Security
- Coding
- Maintenance
- Questions

Let's talk about...

- UX Security
- DevOps Performance
- Frontend Analytics
- Architecture Systems





Forgetting to clean up...

Forgetting to clean up...

- Lots of dummy & test “things”
- dpm, print_r, debugging
- Modules in wrong or multiple places
- Patch and forget
- Forget to uninstall evaluation modules
- Remove module before uninstall
- Dev modules enabled on live
- Deleting fields “wrong”



SEO

SEO

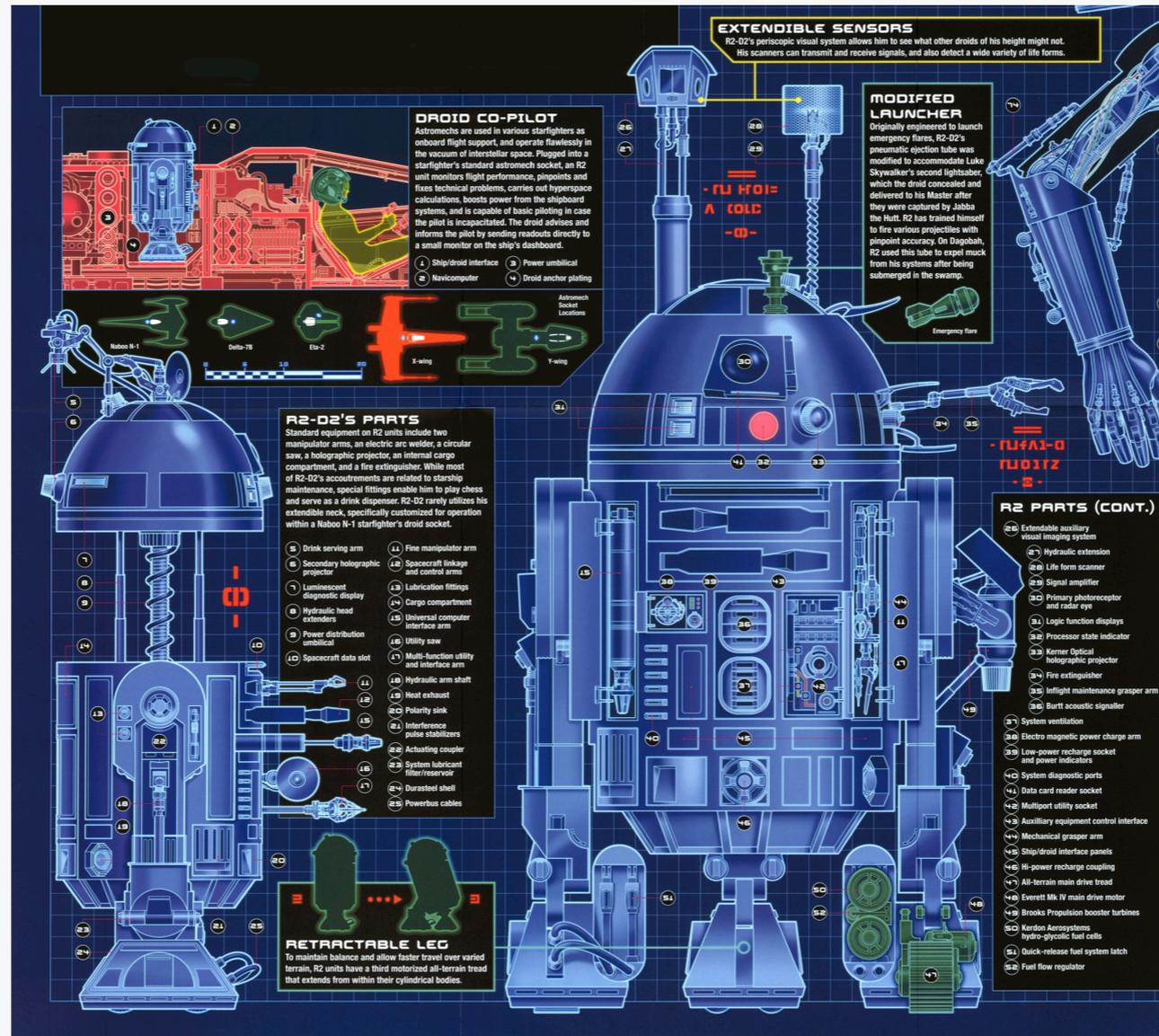
- “Click here”
- Hidden text
- Broken links
- Text on images
- No alt or title text
- www vs non-www
- Duplicate content
- Duplicate page title
- Duplicate meta description
- Sitemap.xml shows unwanted content



QA

QA

- No peer review
- No unit testing
- No user testing
- No load testing
- No regression testing
- No QA process
- No dev or staging server for testing
- No documentation



UX

UX

- Autoplay
- Low contrast content
- Unnecessary fields
- Just wysiwyg and body field
- Neglect content strategy
- Hard for content editors to edit



Bad Devops and Dev Processes

Devops

- No code repository
- No or bad commit messages
- No backups
- No caching
- No performance monitoring
- No downtime monitoring
- No development workflow
- Run all daily cron jobs at once



Front-end

Front-end

- No style guide
- Don't use component library
- Promise pixel perfect pages
- Logic in the template files

Security

- Php filter
- User 1 is used by all
- Liberal permissions
- Client has full admin rights
- No security updates
- Insecure passwords
- Unencrypted sensitive data



Architecture

Architecture

- Not reusing fields
- Misuse distributions
- Config not saved to code*
- Files at top level directory
- Install ALL THE MODULES
- Contrib vs custom code usage
- Save too much data to variable table



Coding

Coding

- Not using `hook_update_N`
- Not using Drupal coding standards
- `t()` misused or not used
- Hardcoded links
- Put all code in `.module`
- Debug comments or no comments
- Don't contribute patches back



Maintenance

Maintenance

- Put contrib/custom in “wrong” place
- Same module in multiple places
- Name module same as theme
- Forget to uninstall evaluation modules
- Patch and forget
- Remove module before uninstall
- Dev modules enabled on live

Maintenance

- Not updating core and contrib
- Not updating db when updating modules
- Not using maintenance mode*
- Update config on live when in feature
- Site files in repository
- Settings files in repository*
- Deleting fields “wrong”



Takeaways

