

Sketchnoting 101

@deniseyu21

What is sketchnoting

Chiu-Ki Chan

@chiuki

Following



I've scanned my [#sketchnotes](#) from [#wsc2018conf](#)! Download the high-res pdf here: gum.co/Sketchnotes2018



TWELVE FACTOR APPLICATIONS

Methodology for building Software-as-a-Service apps!



Originally developed by Heroku

Emphasis on

→ declarative configs

→ clean contracts & portability

→ Cloud readiness

→ environment sameness!

→ Continuous deployment



① One codebase, in version control!



② Explicit & isolated dependencies!



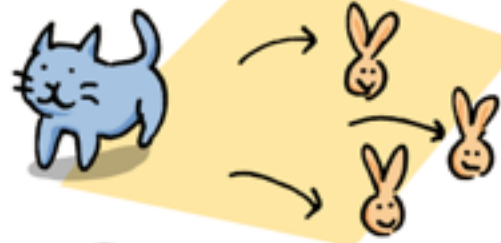
③ Config in the env, not in the code!



④ Decouple databases



⑧ Run background processes concurrently, & out of app



⑦ Expose via port binding



⑥ Apps are stateless processes



⑤ Build, release, run - separately!



⑨ Disposability: Apps should be like cattle, not pets



⑩ Dev & prod parity to support continuously shipping!



⑪ Stream logs to Stdout



⑫ Admin tasks as one-off processes



Why learn sketchnoting?

- **Share** your expertise
- **Document** something, like a great talk you're watching
- **Improve** your learning and comprehension

Sketchnotes are...

- Lightweight
- Fun
- A starting point for learning and discussion

Sketchnotes are NOT...

- High-fidelity information transfer
- Masterpieces of art

Preparation

- Form groups of 8-10 people and circle up!
Leave some space on the floor in the middle
- One person from each group come and grab TWO Post-its packs and some paper for your group.
- Everyone get a writing utensil

Let's build a visual library together

Exercise developed by
Dr. Makayla Lewis (@maccymacx)
and Nidhi Narula (@nidhi_narula)

5 minutes!

1 word per post-it

- Computer
- Cloud
- User
- Testing
- Pipeline
- Budget
- Bug
- Team
- Database
- Learning
- Collaboration
- Network

STOP

In your group, clear out
space on the floor and
group similar words together

What do you observe?

Storytelling

*(We probably won't finish
this part today. It's OK!)*

A good tech sketchnote...

- Has 3-5 distinct parts
- Can be linear or thematic
 - Linear: 4 steps for refactoring your monolithic app
 - Thematic: Intro to key primitives in Kubernetes

2 minutes

Think of a topic that you can tell a story about,
either linear or thematic

It does not have to
strictly be technical!

*examples: your job's core responsibilities;
your journey to your current role;
how to cook a recipe that you love;
the plot of a video game that you enjoy*

Break down topic
into 3-5 sections,
jot these down

Composing a sketchnote

Top-to-bottom snake



Left-to-right snake

What's **HELM**
got to do with it?

What's in
my-app-dir?
↑
Your Helm
chart!

< github.com/helm/charts >

name:
drake
version:
1.2.3

Chart.yaml
Metadata for
the project. Name,
version, docs URL, etc.

PROBLEM

With vanilla
Kubectl,
deploying an application
that consists of multiple
services looks like:



Kubectl create
lite-react-client



Kubectl create
hip-nodejs-api



Kubectl create
nginx-service



Kubectl create
enterprise-message-bus

ANGRY!



helm install

./my-app-dir -n my-app



A whole bunch
of shell scripts
that no one
understands?



Helm!

→ A package manager
for Kubernetes that
helps to configure,
release, version, and
rollback apps as
deployments (logically
bundled units)

Dependencies:

deps:
- name:
repo:

requirements.yml
~or~
charts/ dir



Templates



Config for
each service.
Made with Go

values.yml gets
plugged into templates
for simpler config
management!



THERE'S MORE! ▸ docs.helm.sh

There is a better way!

it's 2018 we have automation

Explode out from center



Plot your sections into a
composition you like, then try to
fill in with doodles

Feel free to use the visual library
you have created together!

Slides will be
available later at
deniseyu.io/sketchnoting