



ARCHITECTING ACROSS BOUNDARIES

SYSTEMS THINKING FOR SOFTWARE MINDS

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PRINT SYSTEM ARCHITECT- DRIVING FEASIBILITY IN CPP

- PRINT SYSTEM ARCHITECT:
 - Lead architect guiding projects from definition to proven feasibility
- Key responsibilities:
 - Vision, technical direction, risk mitigation
- Experience
 - 5 years in this role
 - Led multiple software applications projects (*wait...what?*)



```
for object to mirror_...
mirror_mod.mirror_object

operation == "MIRROR_X":
mirror_mod.use_x = True
mirror_mod.use_y = False
mirror_mod.use_z = False
operation == "MIRROR_Y":
mirror_mod.use_x = False
mirror_mod.use_y = True
mirror_mod.use_z = False
operation == "MIRROR_Z":
mirror_mod.use_x = False
mirror_mod.use_y = False
mirror_mod.use_z = True

#selection at the end -add
mirror_ob.select= 1
modifier_ob.select=1
context.scene.objects.active
("Selected" + str(modifier_ob.name))
mirror_ob.select = 0
= bpy.context.selected_objects
data.objects[one.name].select

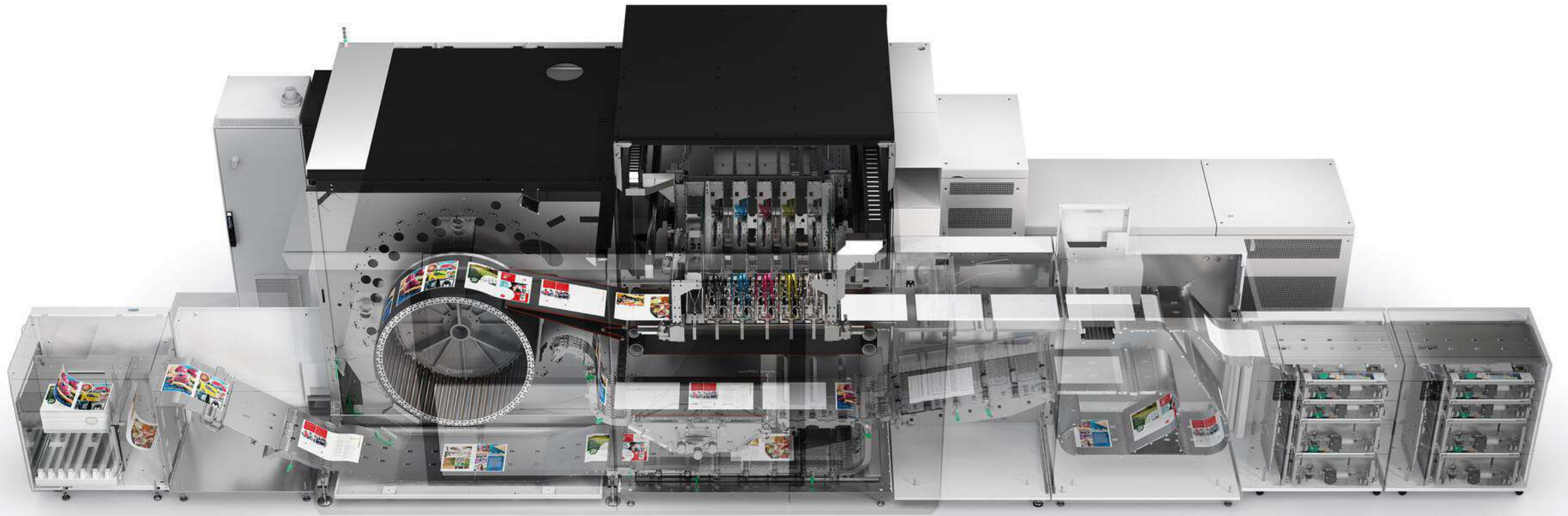
print("please select exactly")

-- OPERATOR CLASSES -----

types.Operator):
X mirror to the selected
object.mirror_mirror_x"
mirror X"
```

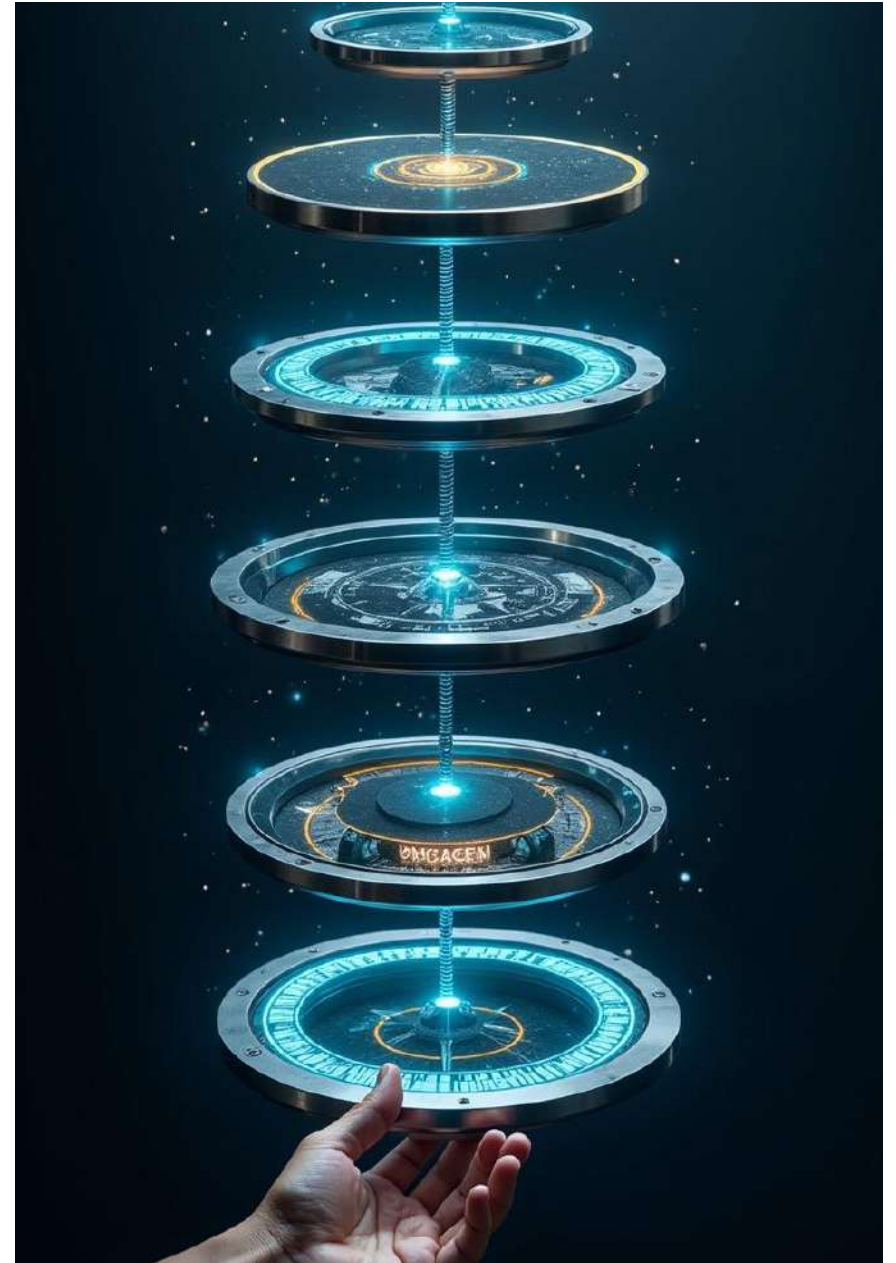
SOFTWARE IS NOT JUST PART OF THE SYSTEM—IT IS A SYSTEM.





SOFTWARE ARCHITECTURE

- Beyond technology and design patterns
- Context aware:
 - The purpose
 - The constraints
 - Integration points
 - Tradeoffs
- ***Complexity around software is growing, so must your perspective***





MINDSET SHIFT

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1. ASK WHY

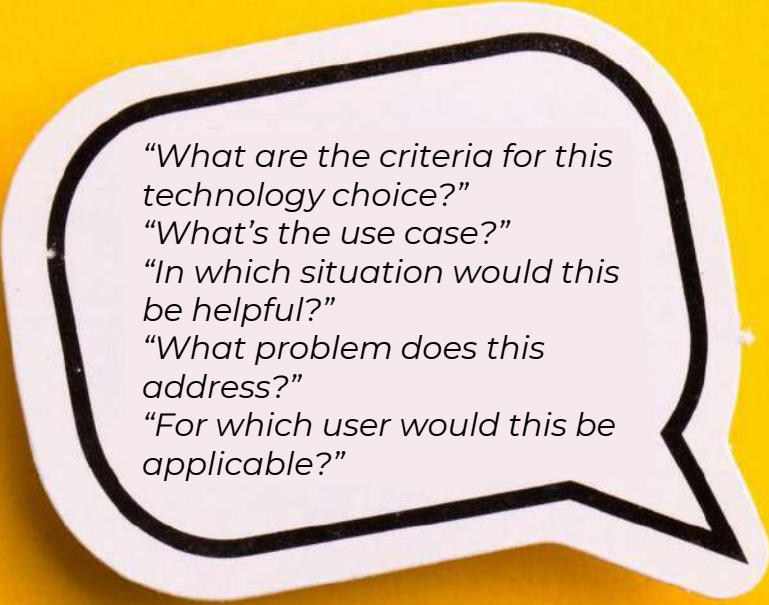
**WHAT DOESN'T KILL YOU
MAKE YOU STRONGER**





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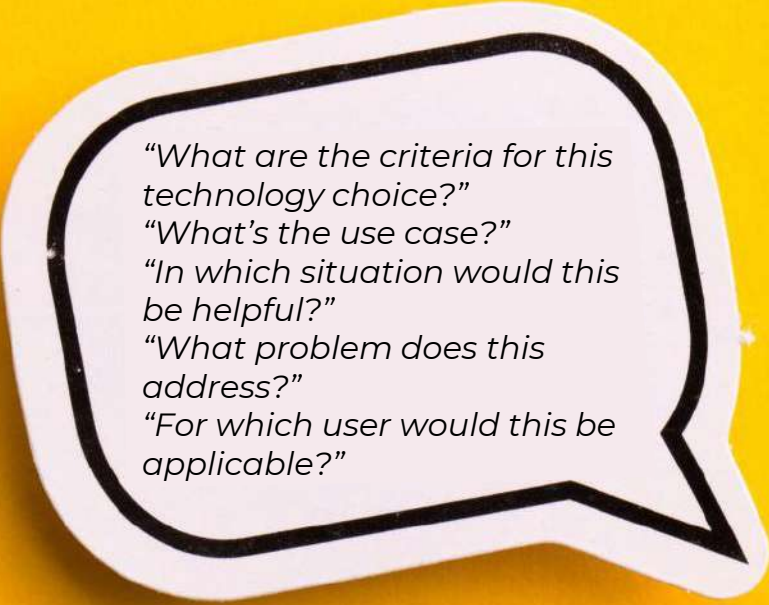
R4- Public



“What are the criteria for this technology choice?”
“What’s the use case?”
“In which situation would this be helpful?”
“What problem does this address?”
“For which user would this be applicable?”



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FIND YOUR OWN WAY OF ASKING WHY

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2. KNOW YOUR CUSTOMERS



LEARN

ABOUT YOUR CUSTOMER

- What keeps them awake at night
 - How they make & lose money
 - The roles in their organization
 - Who touches your software

Always decide with the customer in mind

And remember! There's always more than one customer



3. BE KIND

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R4- Public

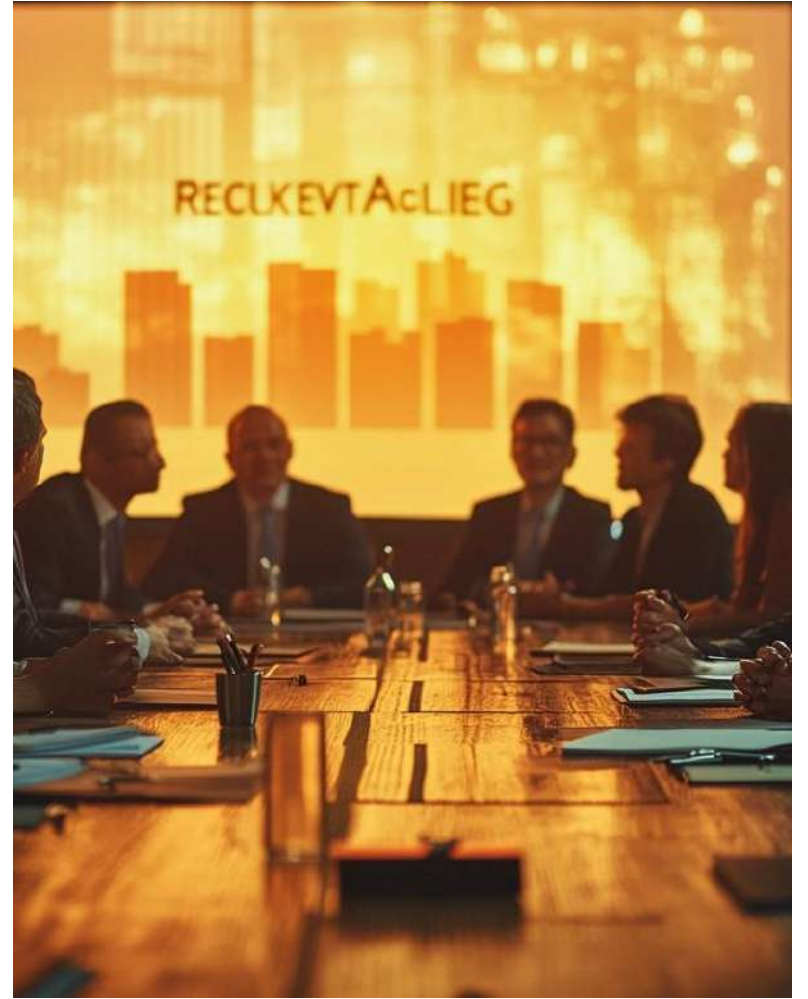
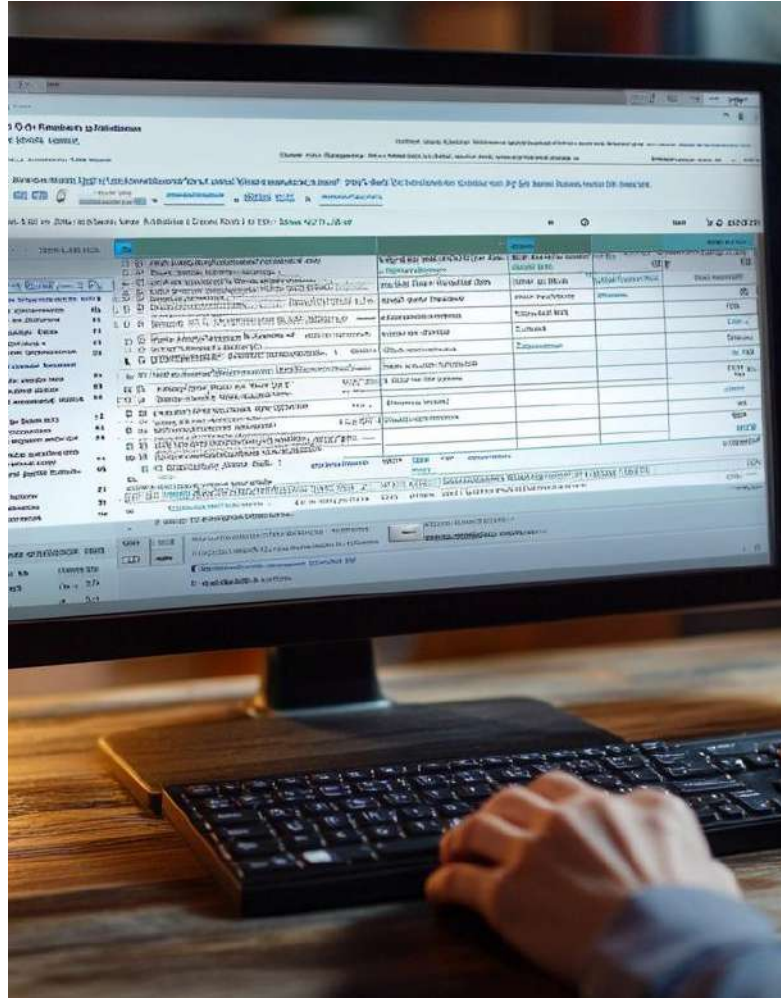


YOU ARE A SYSTEM

- Be open to new insights, and don't accept politics
- Be strong when needed
- Flexible when learning

- Dutch culture tips:
 - Don't take bluntness personally
 - It's rarely about you, it is about the content

- Be kind to others
- Be kind to **yourself**





THE ARCHITECT WITHIN THE SYSTEM

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R4- Public

FROM COMPLEXITY TO CLARITY

- 1. Ask the right questions*
- 2. Understand the people you're building it for*
- 3. Lead with empathy*





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Canon