

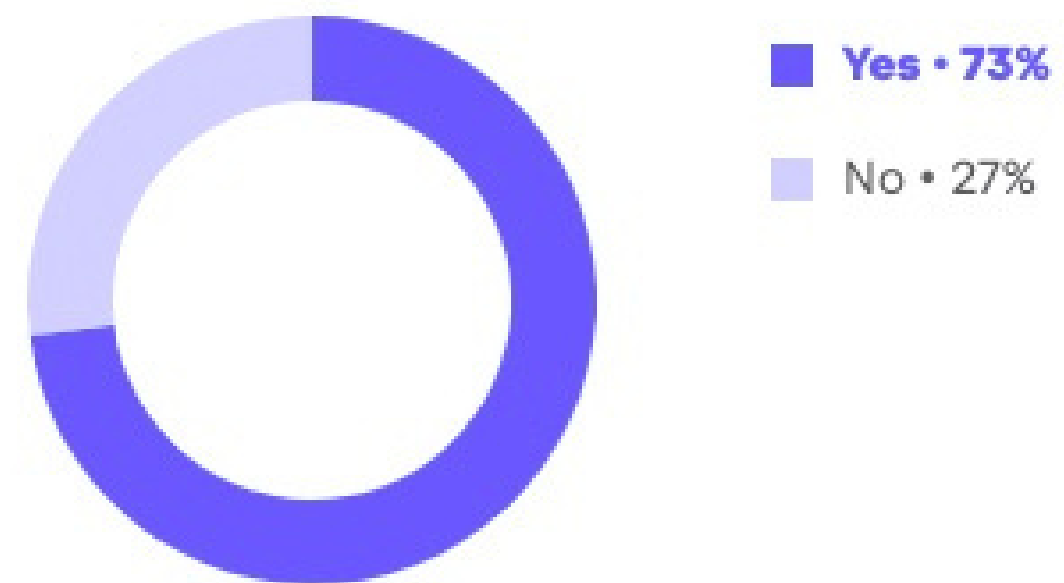
Being a developer is an inherently creative profession

“...industry experts agreed that **being creative** is an **essential** problem solving skill, **vital** to succeed as a software developer.”

**“I don't know. I guess i've never really thought of
myself in that way”**



Have you ever experienced burnout?



DECREASED CODE QUALITY

STRESS/ANXIETY

low motivation

difficult decision making

LOW COGNITIVE PERFORMANCE

work withdrawal

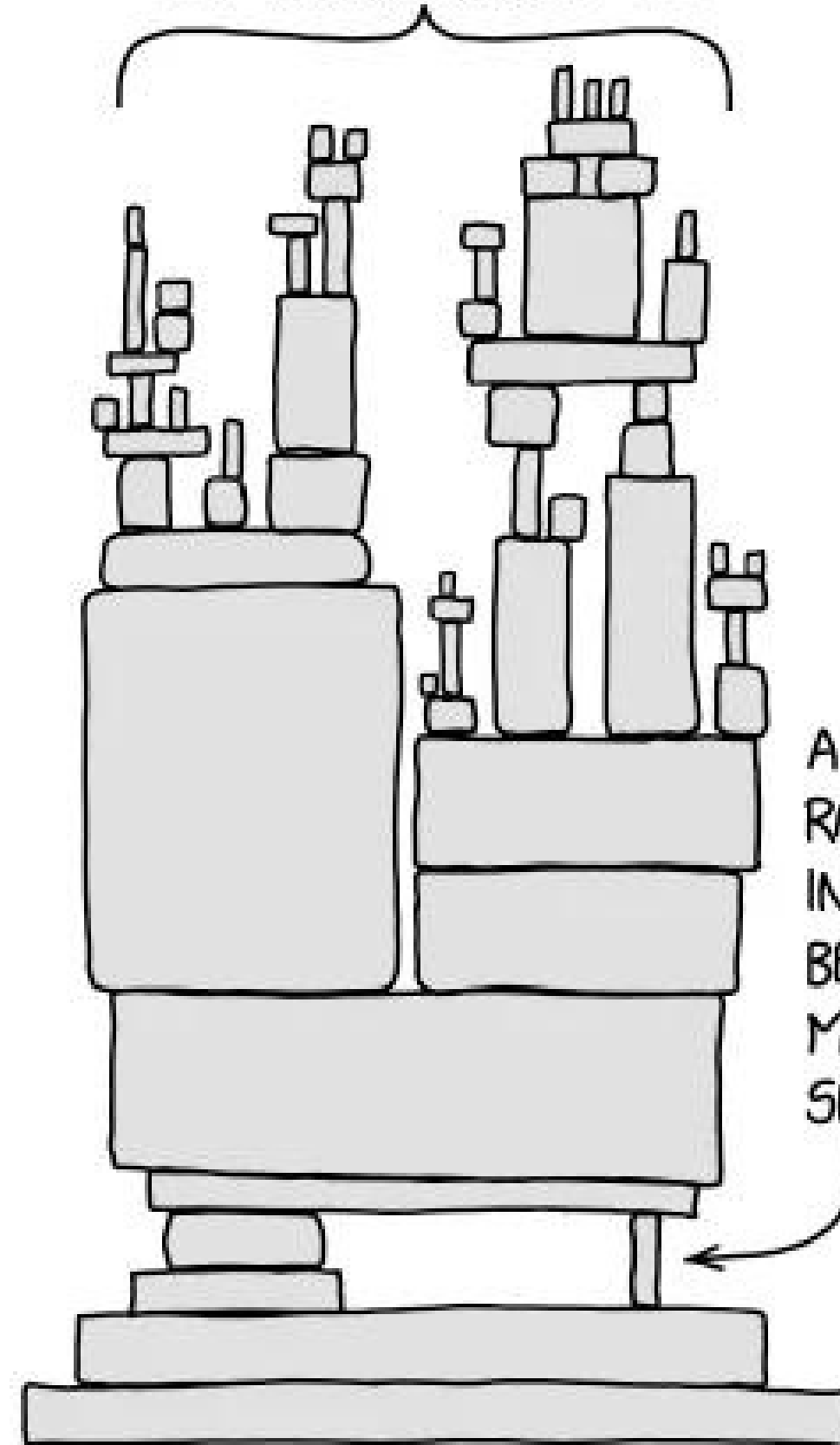
low productivity

TAKING SHORT CUTS

How can we define creativity for developers?



ALL MODERN DIGITAL
INFRASTRUCTURE



A PROJECT SOME
RANDOM PERSON
IN NEBRASKA HAS
BEEN THANKLESSLY
MAINTAINING
SINCE 2003

**“...applying novel and innovative
solutions based on understanding the context and limitations of
existing solutions.”**

“(ITS) EXPERIMENT(ING) WITH NEW APPROACHES AND COME UP WITH INNOVATIVE SOLUTIONS.”

- April Wensel, Compassionate Coding

“if you're creating and layering abstractions up from nothing, toward something—then you are by definition a creative developer”

- XH, mmm.page

“...AN ENTHUSIASM ENTHUSIAST, WHO IS CONSTANTLY NOTICING WHY THINGS DO OR DO NOT WORK...”

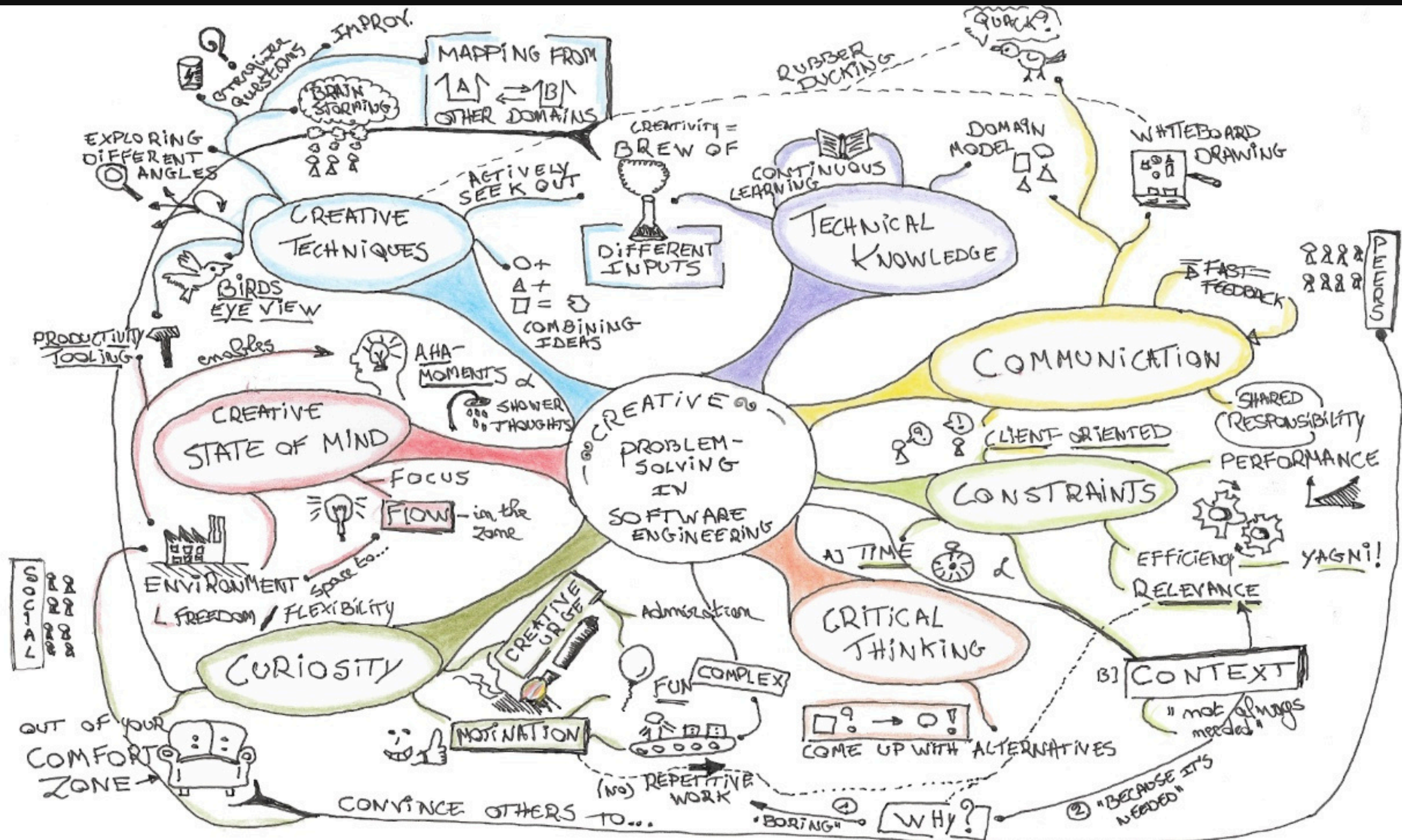
- XH, mmm.page

“...having the ability to work around solutions with inquisitiveness and curiosity.

Having the freedom to **think outside the box...**”

-Ale Thomas, Mui

How to make it actionable



PERSONAL GROWTH



PERSONAL GROWTH

putting it all together

different angles

risk assesment

Critical Thinking

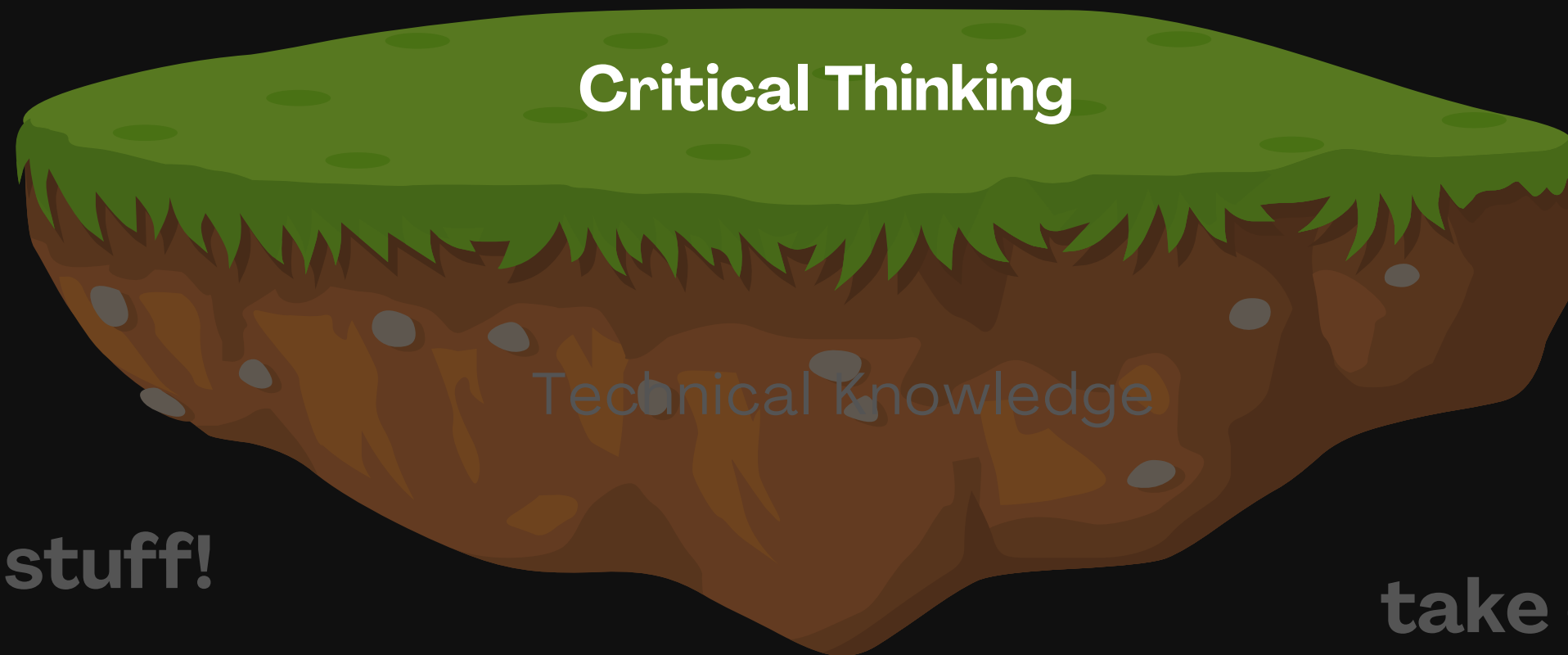
Technical Knowledge

build stuff!

take courses

read blogs

watch videos



PERSONAL GROWTH

Creative State of Mind

- shower thoughts
- flow state

Creative Techniques

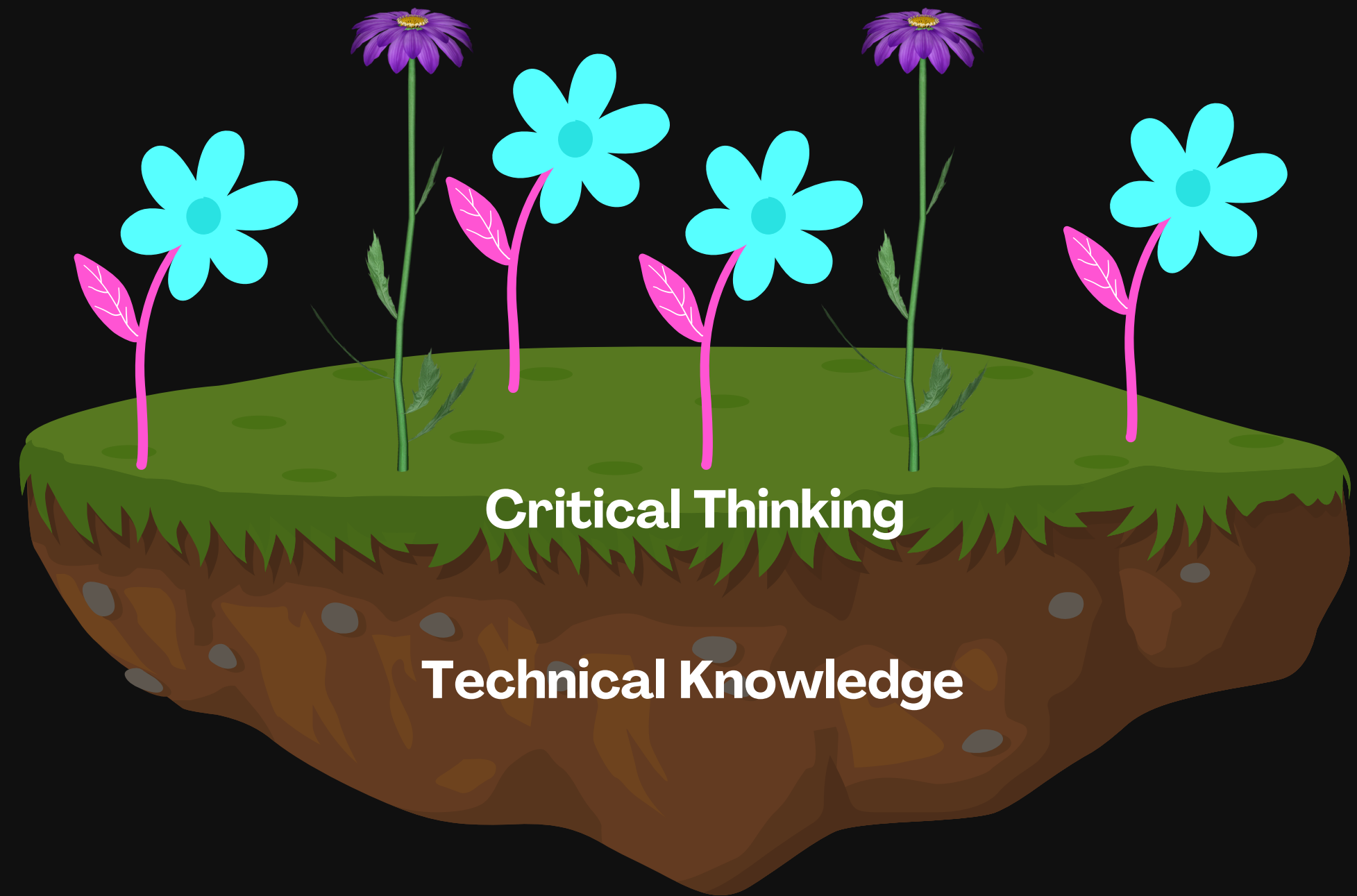
- exploring alternatives
- zoom out/zoom in approach

Curiosity

- seek out new ideas and experiences
- build for fun (hackathon, side project)

Communication

- whiteboarding
- debating



“being able to **draw analogous thinking** from various disciplines (for me: **architecture, writing, music and visual media**). Being moved by the devotion and ingenuity of other people”

– XH, *mmm.page*

“I ALSO SPEND TIME IN NATURE AND **MEDITATING,
WHICH CLEARS MY MIND SO IDEAS HAVE SPACE TO
BLOSSOM”**

– April Wensel, *Compassionate Coding*

“Most of my creative side stems from my love of music. I feel **tech** and music have a lot of similar qualities to them.”

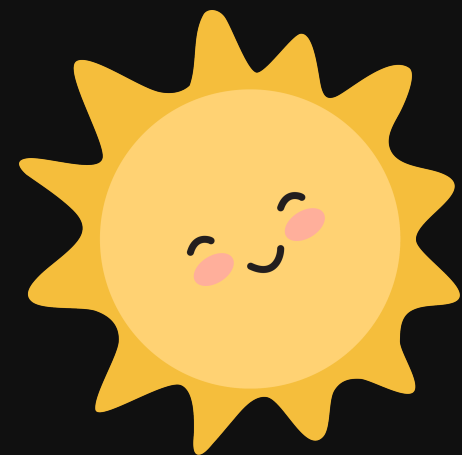
–J.D., *Garmin*

“MY INSPIRATION COMES FROM **WATCHING OTHERS
BUILDING IN PUBLIC”**

–Brian Douglas, *Open Sauced*

EXTERNAL FACTORS

Constraints



Neutral

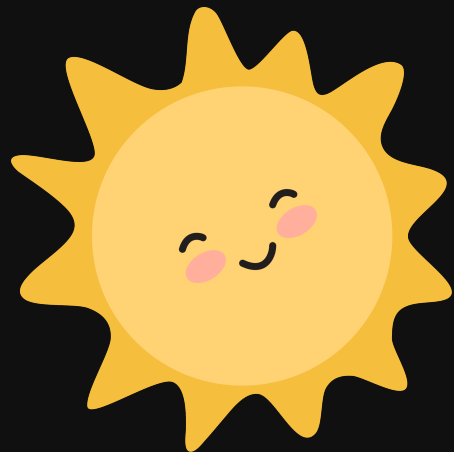
- The boundaries of the problem
- The user population you serve
- Time
- The tools you have to build

EXTERNAL FACTORS

Constraints

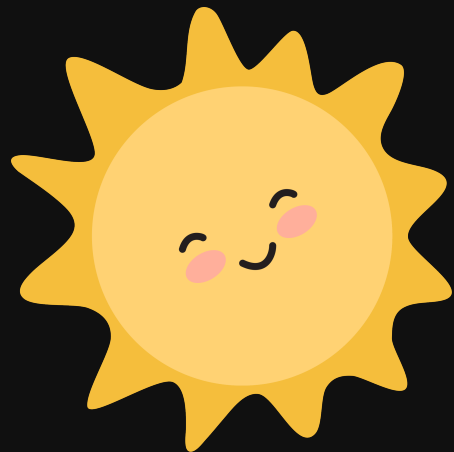


“We have an entire design system that we can't really break out of.
But it's run by committee so if changes need to be made,
we need to run them by the committee first” -J.D.



EXTERNAL FACTORS

Constraints



Negative

- Low trust environment
- Failing is punished
- Lack of direction
- Micro-management
- Poor environment to focus
- Organizational chaos

Encourage a more "open door" system, where people across teams can collaborate, help each other, and feel comfortable sharing their opinions and asking for help.

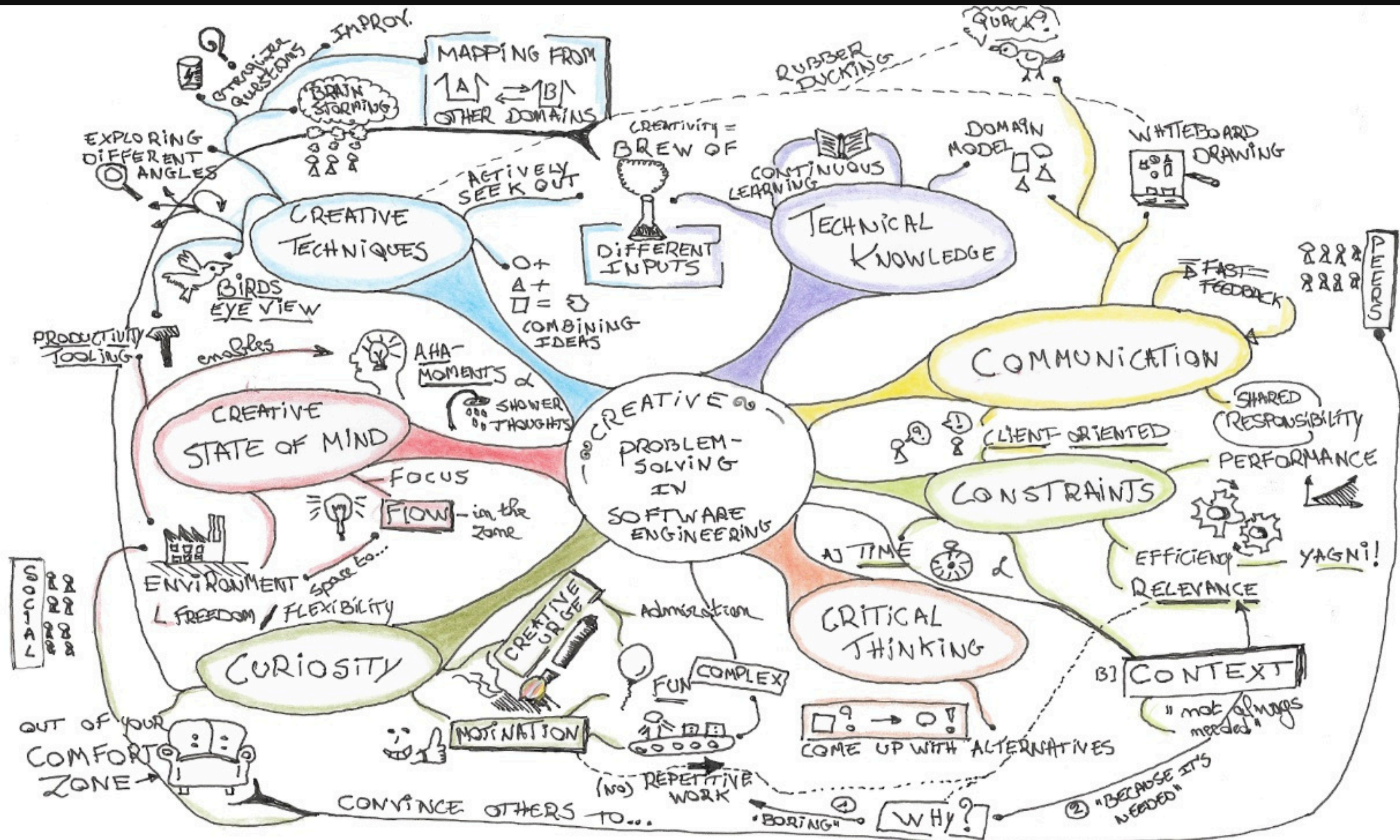
- Ale Thomas, Mui

“LEADERSHIP IS LEAVING THINGS BETTER THAN HOW YOU FOUND. PROVIDING CONTEXT IN ISSUES AND PRS”

- Brian Douglas, Open Sauced

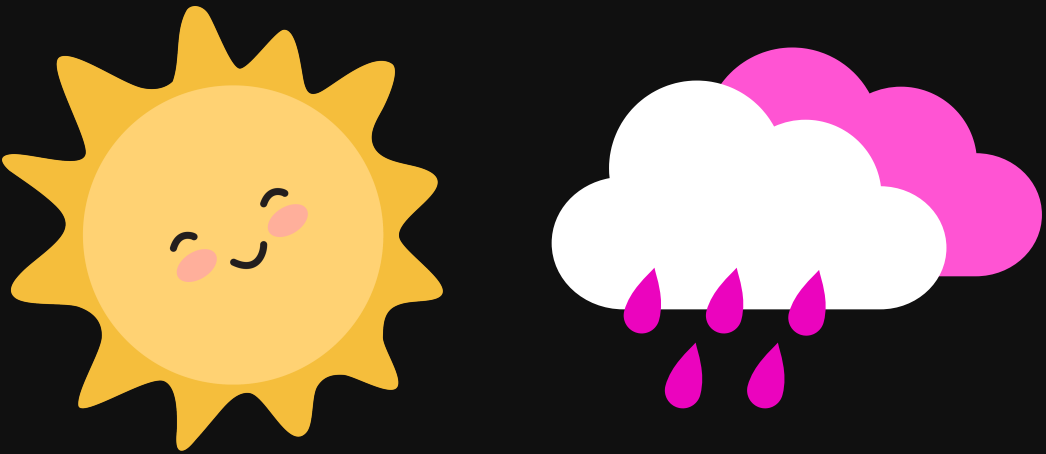
“...hire the right people who are willing and eager to sort of try different things out and just sort of give them space to do that.”

- Adam Rackis, Spotify



External
Forces

Constraints



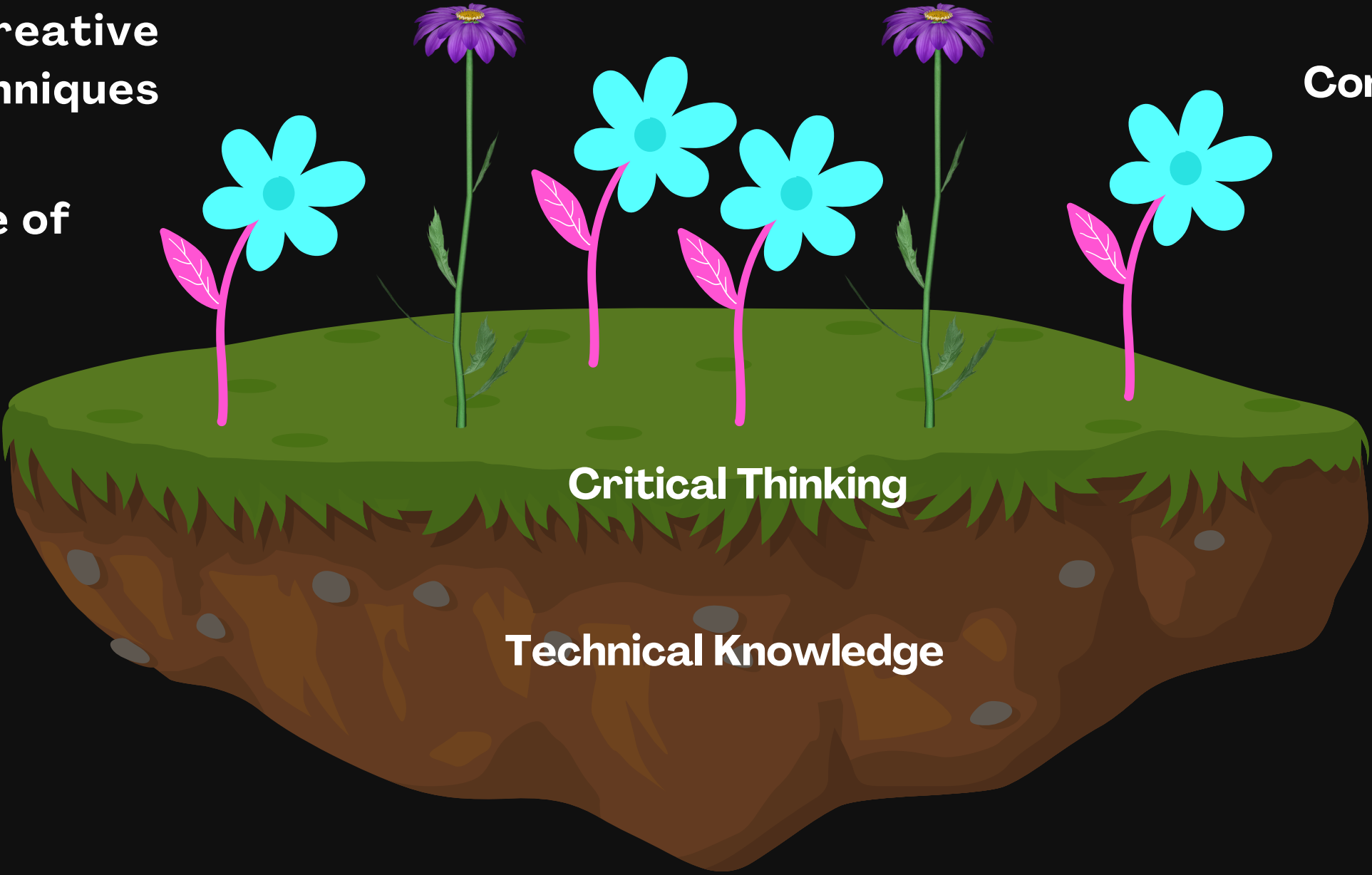
Creative
Techniques

Communication

Creative State of
Mind

Curiosity

Personal
Growth



Critical Thinking

Technical Knowledge

connect with me



Be inspired and build cool stuff.

