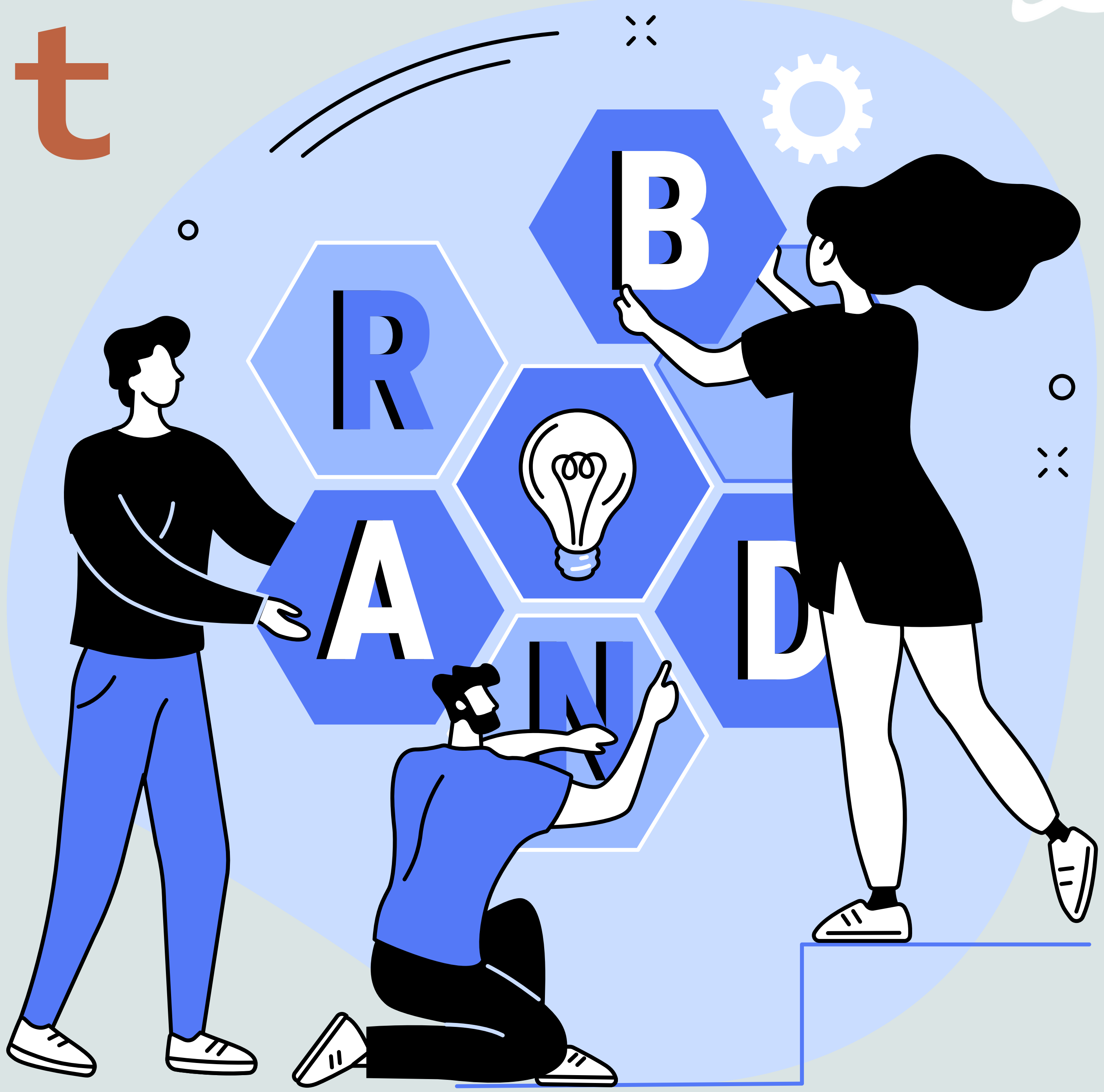
Environment as a Service

Unlock innovation and speed-up products development

Proceed →



DEVOPS INSTITUTE
Ambassador
by PeopleCert

PLATFORM ENGINEERING AMBASSADOR

DevOps Days
Santiago
Chile

OpenSourceSantiago

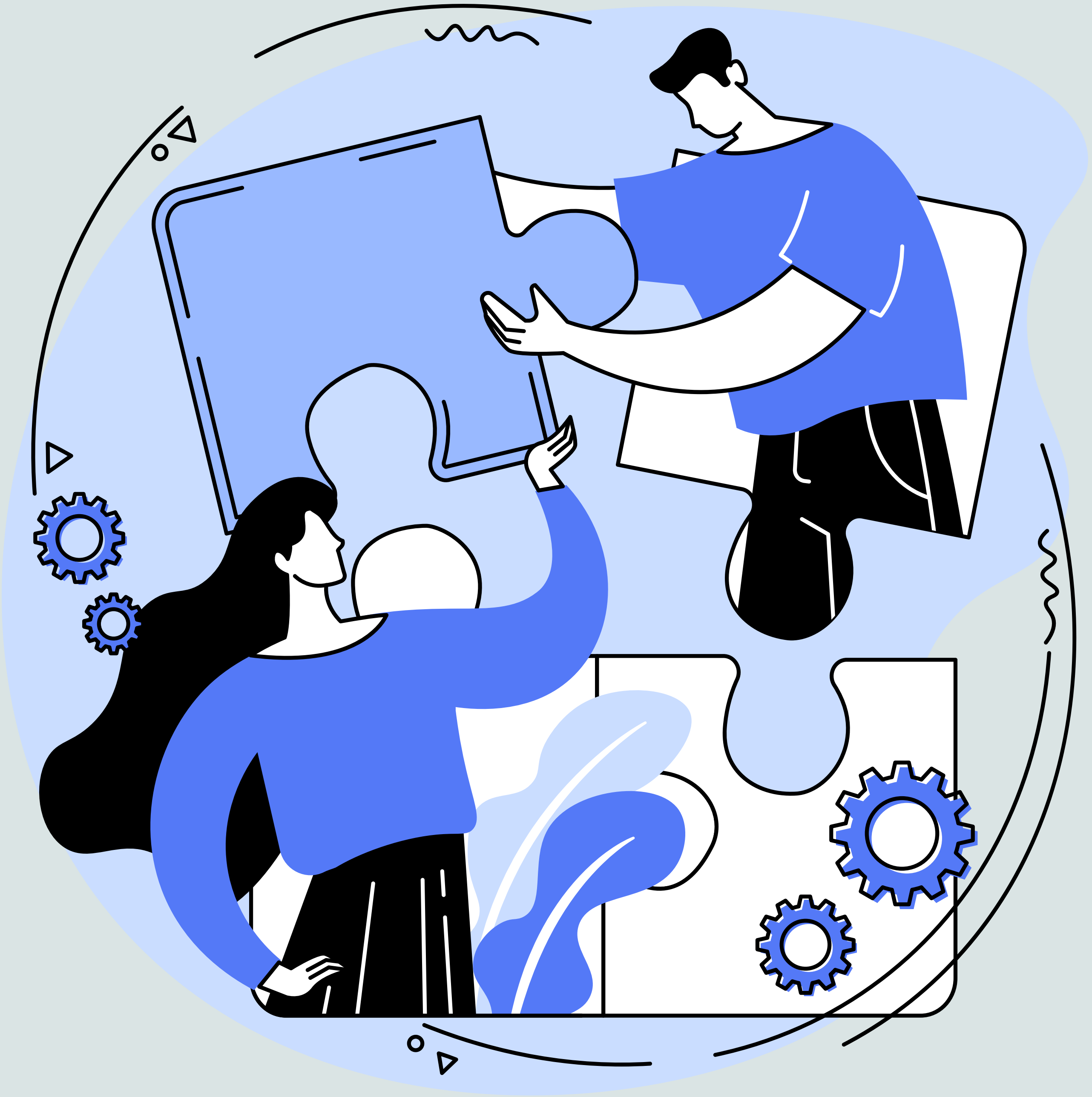
Caio Medeiros Pinto

~$ whoami

* DevOps Human & Software Engineer
* DevOps Institute Ambassador
* Platform Engineering Ambassador
* DevOpsDays Santiago Organizer
* OpenSource Santiago Community Organizer

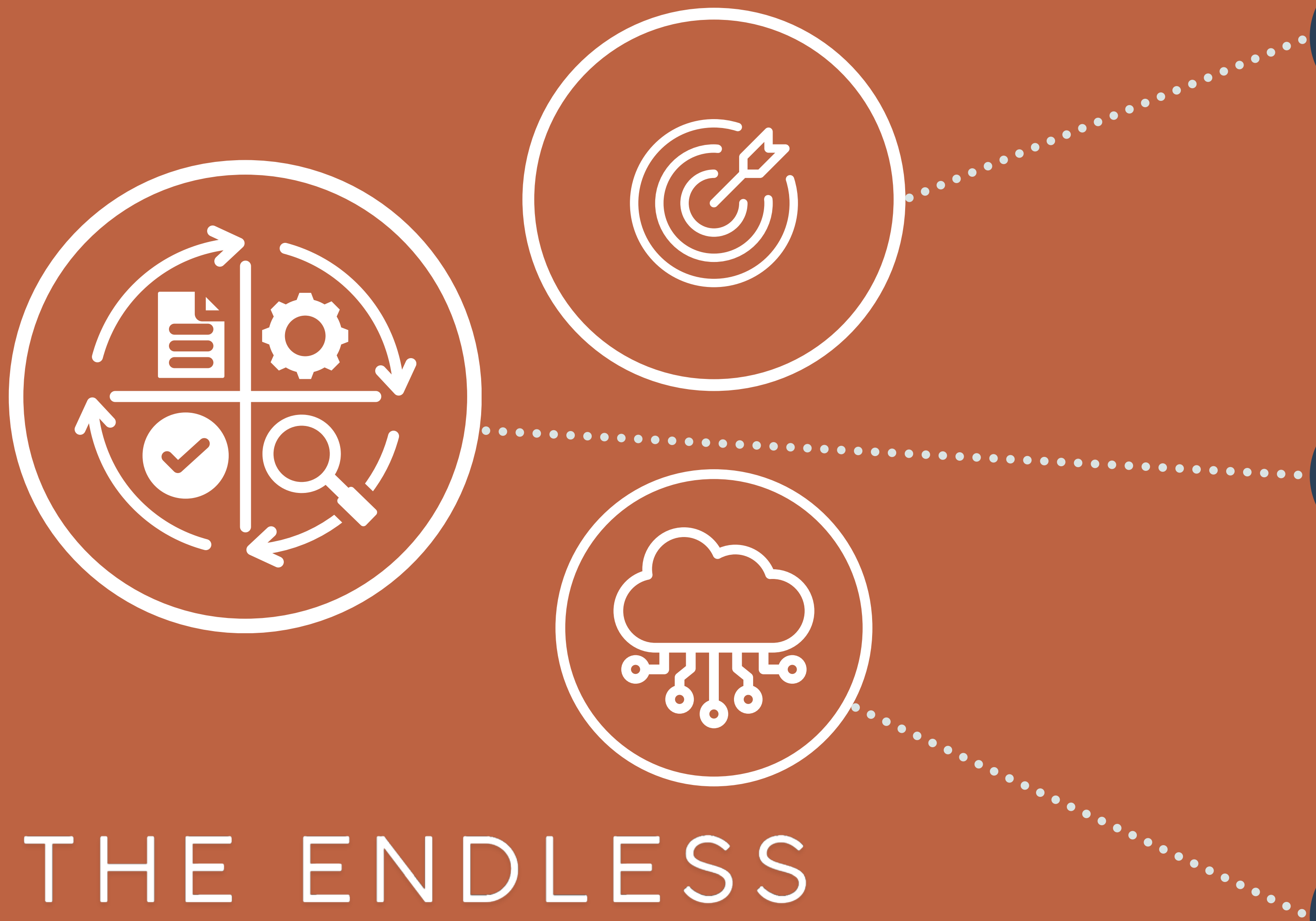
Let's connect, find me in Linkedin:

What most see



Proceed ⟶

THE ENDLESS ADOPTION JOURNEY



Agile

- Customer focus
- Time to market

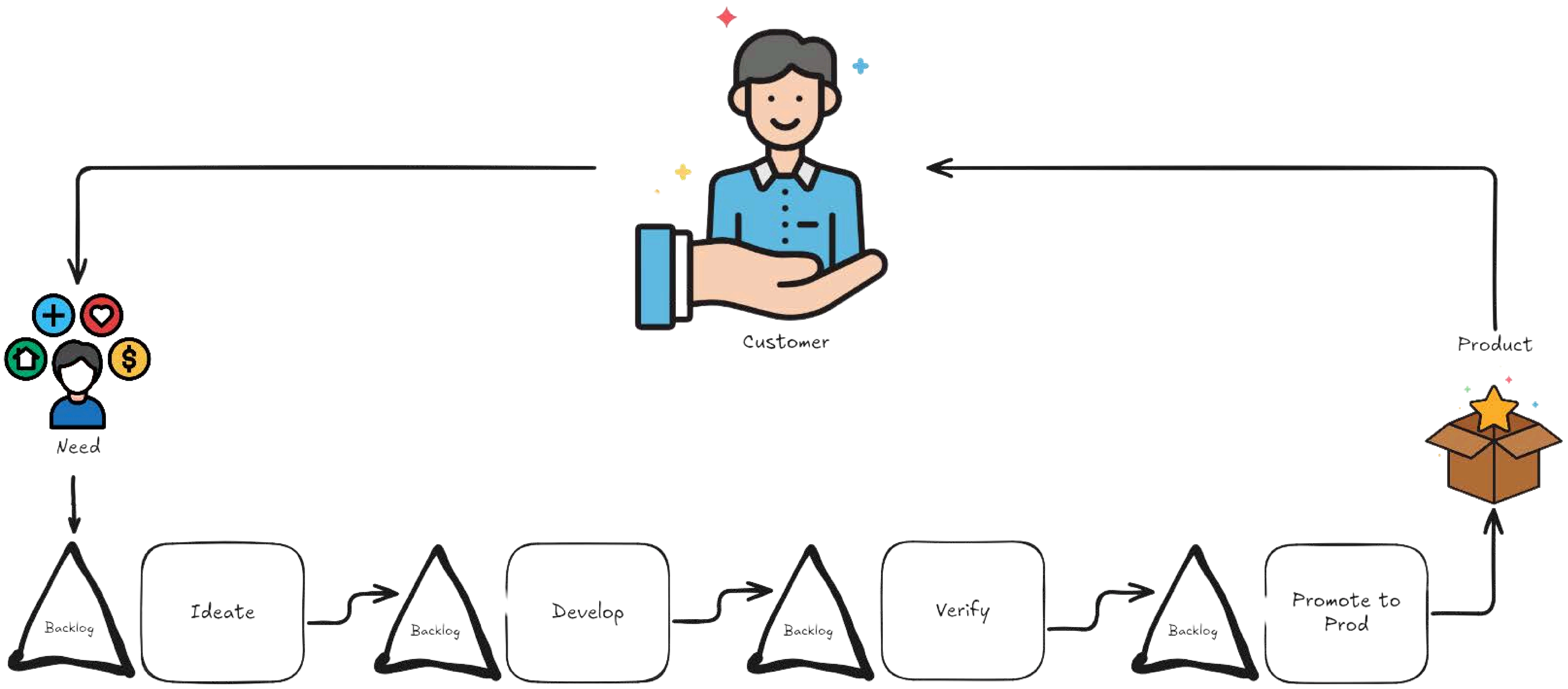
DevOps

- Productivity
- Reliability

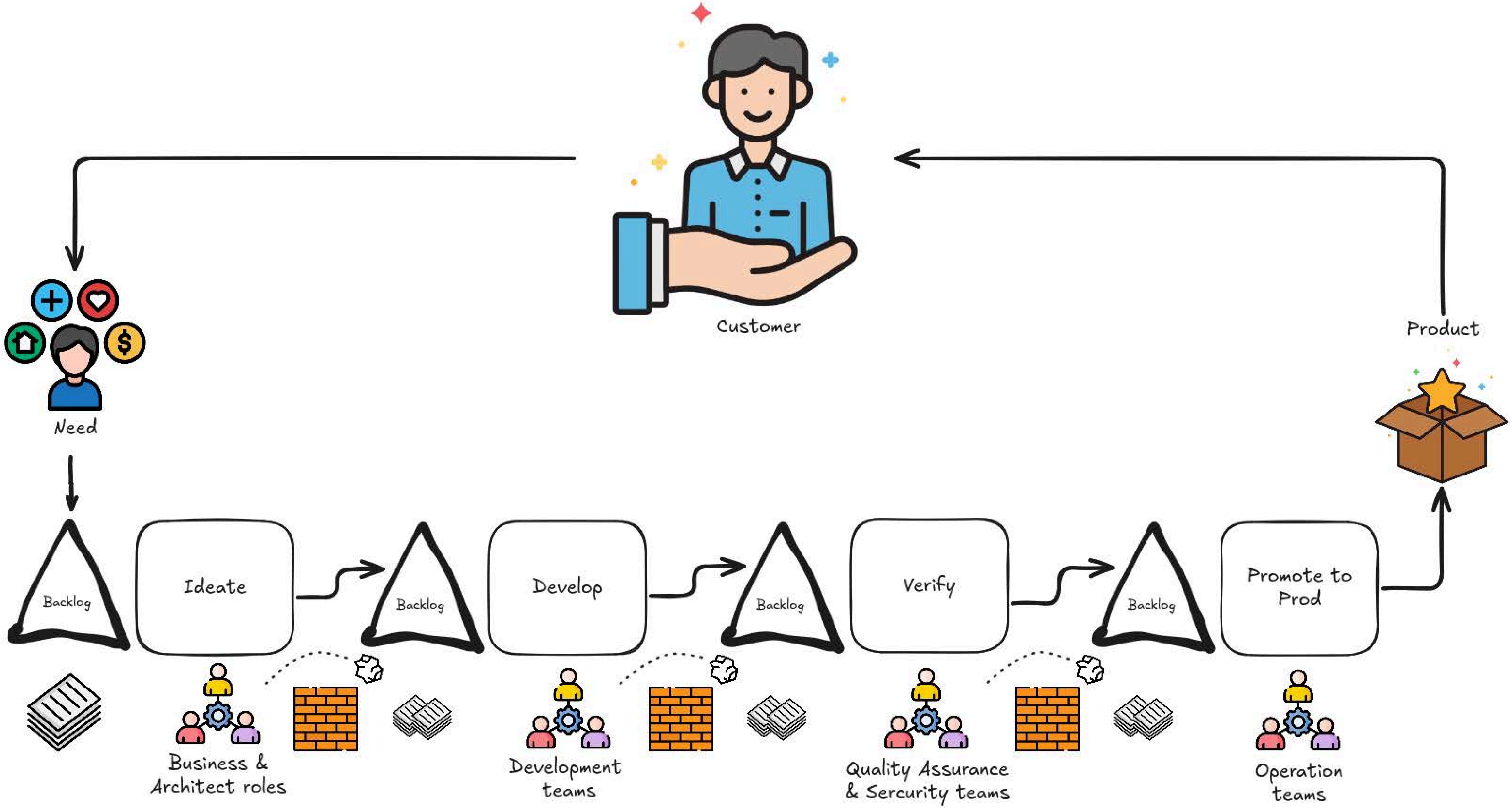
Platform Engineering

- Dev Experience
- Standardization

My vision of SDLC



My vision of SDLC



SCRUM

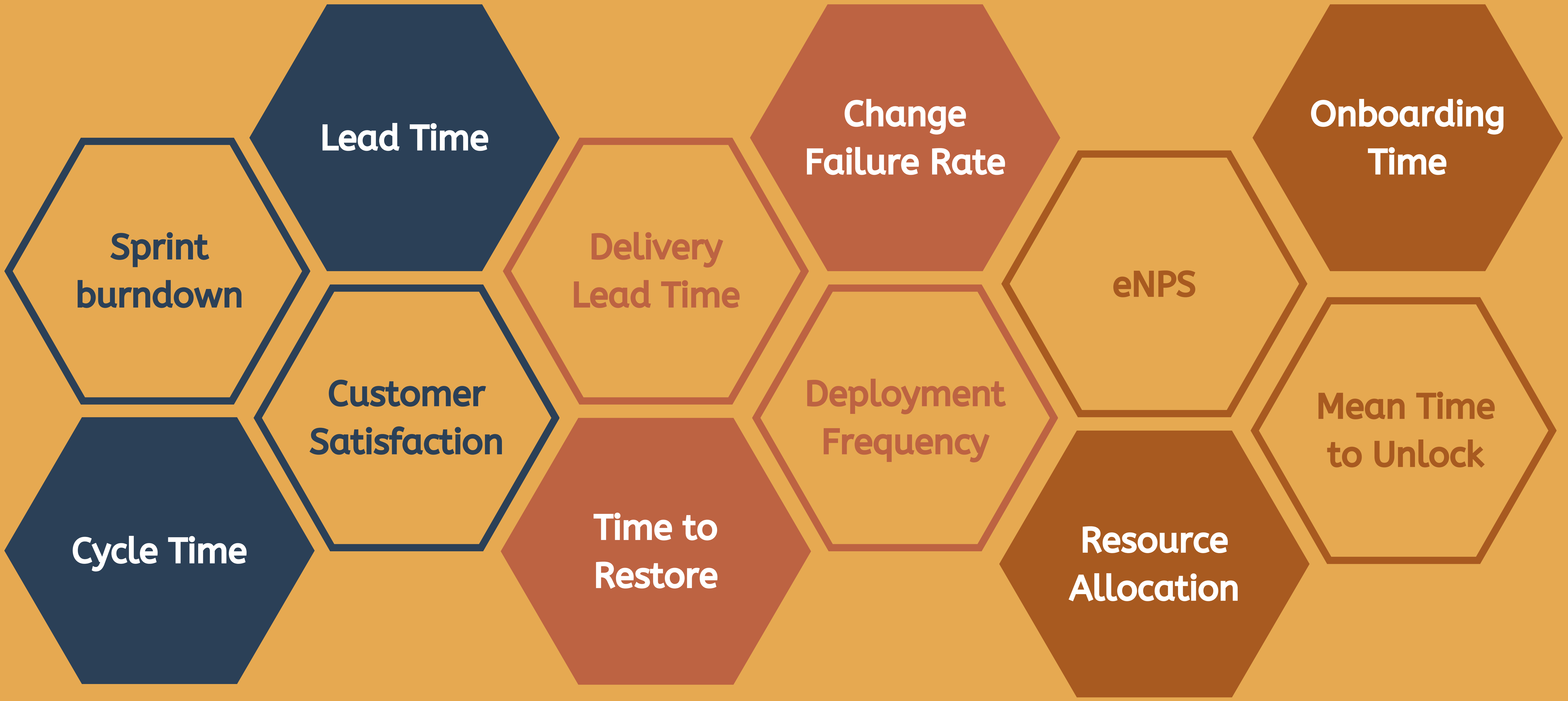
- Reorganizing teams in Product Multidisciplinary teams.
- Implementing Iteration practice.
- Scaling with Frameworks like SAFe.

CI / CD

- Reducing human touchs with automation.
- Moving left quality and security gates.
- Promoting practices like Everything as a Code and Test Automation.

AI Everywhere

- Generating test cases.
- Helping to code.
- Reducing time to solve issues.
- Documenting.
- Etc...



Sprint burndown

Lead Time

Customer Satisfaction

Cycle Time

Delivery Lead Time

Time to Restore

Change Failure Rate

Deployment Frequency

eNPS

Resource Allocation

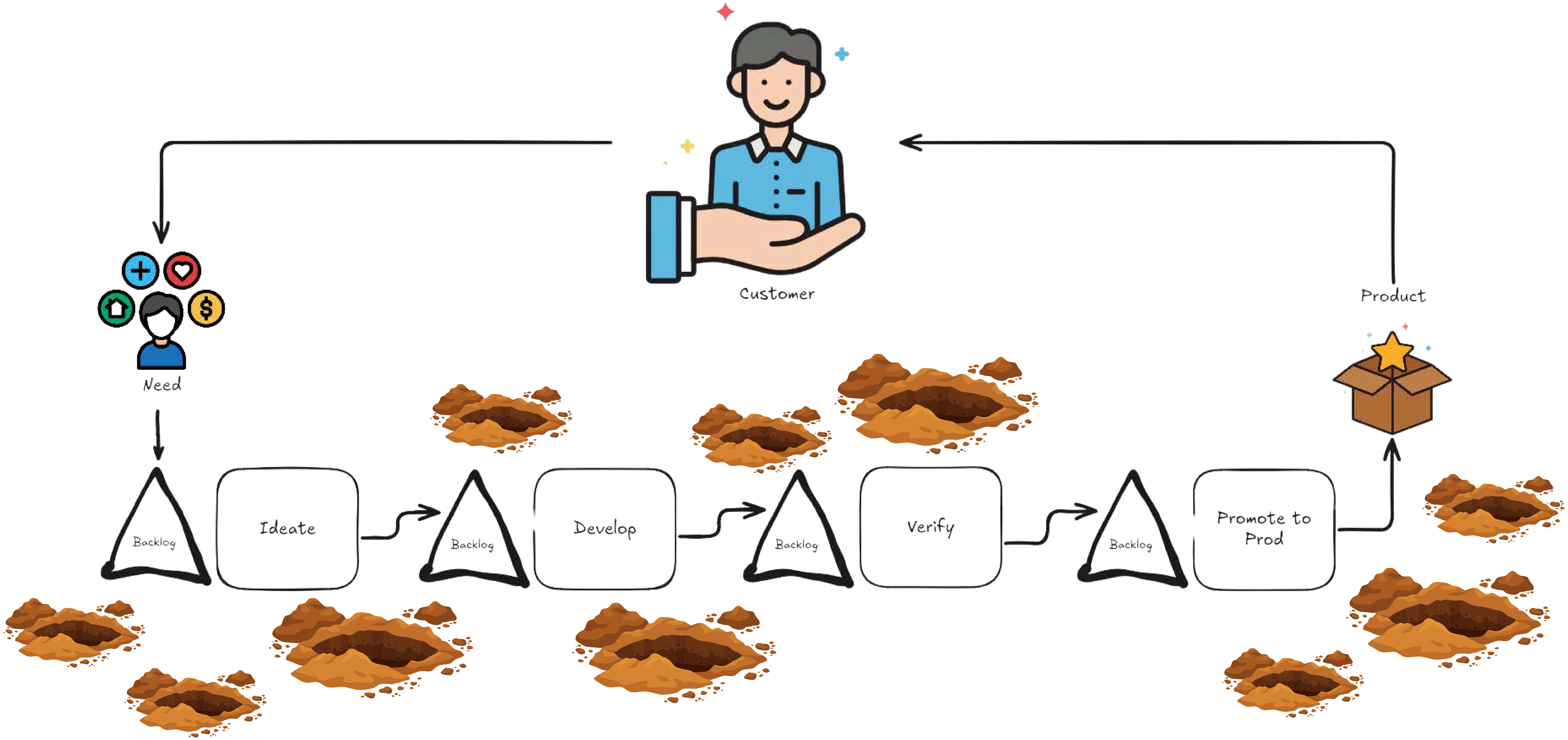
Onboarding Time

Mean Time to Unlock

What I saw there

Proceed ⟶

My vision of SDLC



Lack of Knowledge

Lack of:

- capacity.
- budget.

Even sometimes **priorities or ownership**.

Fact kills story

3 to 24 Months to adopt new tech

If it works, don’t touch it!

Some of the common speechs:

- “We are used to do like that”
- “I don’t know who decided this”
- “Standard says that”

Fact kills story

70 to 80% of teams were detractor or had excuses

Bureaucracy

- Complex provisioning processes
- Too much hand-offs
-

Fact kills story

3 to 6 Months waiting for envs to start

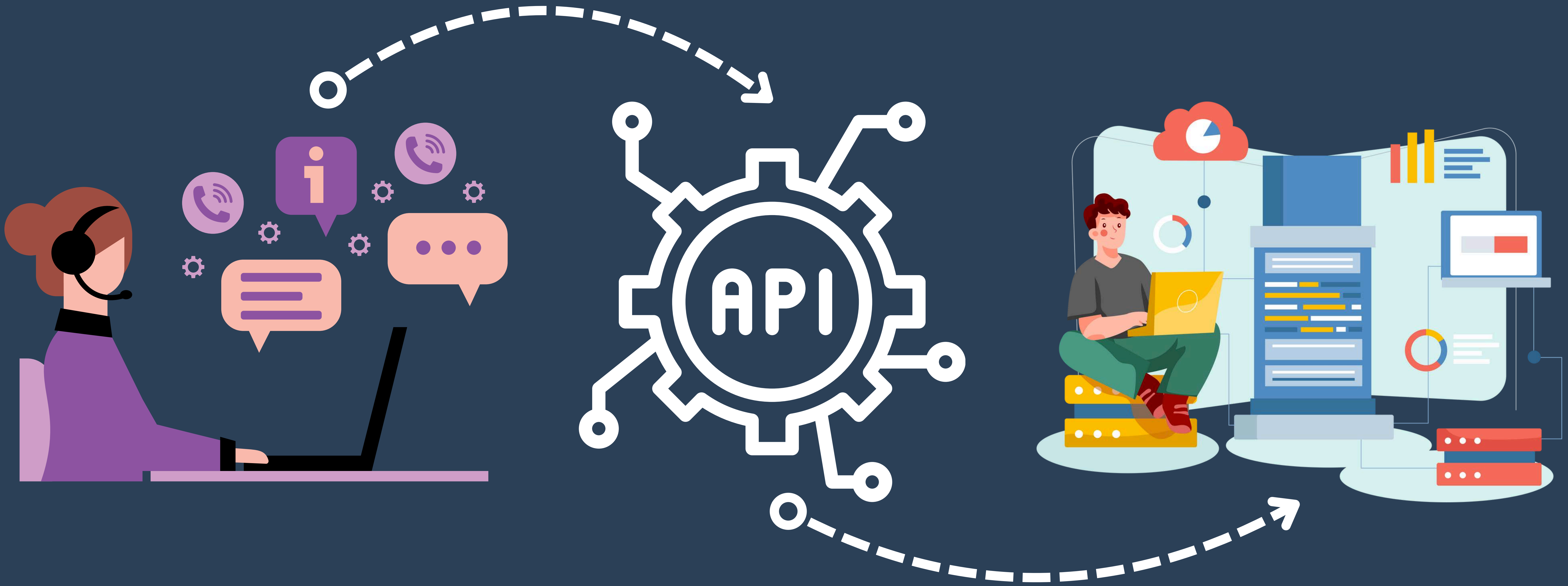
Where to start

Proceed →

Start by learning

"There is no way to improve if you don't know where you are now"

Gather data from the value stream, try to be as much open as possible to go futher to the right or left.



Environment as a Service

I'M NOT TALKING ABOUT

Infra Provisioning / Config

It's not just a VM or a Namespace with specific resources, neither just a network configuration like a load balancer or a DNS record.

Reusable assets

This is the common service available inside medium and big companies where architecture or platform teams try to avoid teams reinventing the wheel.

User Management

Or easy access to authentication and authorization on-demand processes.

I’m talking about **Environments**

Everything a team need to start working:

- Resources.
- Secrets.
- Processes.
- Standards.
- Rights.
- Assets.
- Docs.

SLA

FinOps

Shared Responsability

Observability

Training

Delivery Lead Time

Trial Plan

KEY TAKEAWAYS

Crossplane

Control Plane

- Environment Orchestration.
- Highly extensible backend.
- You define APIs to expose.

testkube

Tech Agnostic

- Information radiator.
- Execution on-demand with reusable assets.
- Fully integrated with whole SDLC.

OpenCost

Cost Visibility

- Shared responsability over budget.
- Vendor neutral.
- Costs in real time.

Find more at CLOUD NATIVE COMPUTING FOUNDATION

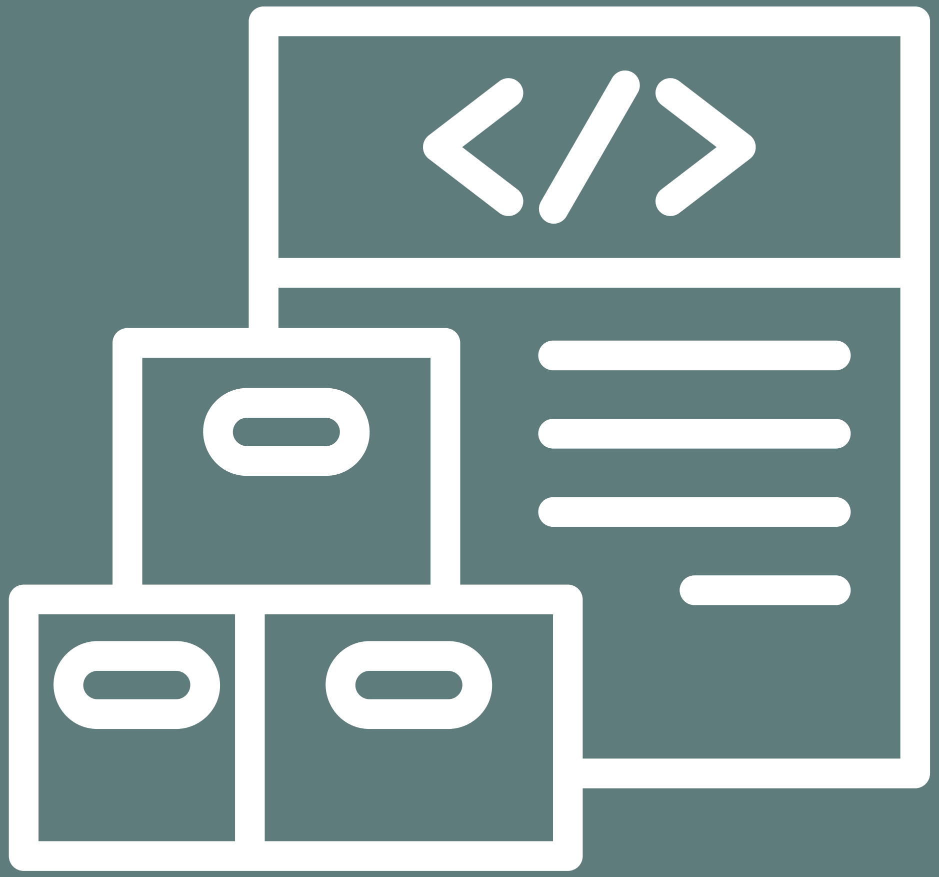
Platforms

Crossplane

testkube

OpenCost

Artifacts



ANYWAY WILL BE NEEDED

Platform Team

My success keys

My closing comment

“Do not just replicate what others did, think out of the box and discover that **continuous improvement** never ends”

Just imagine

Reduce whole team stress to go from idea to first touch

Thanks for joining

Keep enjoying
Conf42 2025!