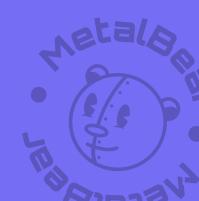
# Mirror Mirror on My Local Machine

Say Goodbye to Slow Feedback Loops

Anita Ihuman, MetalBear





#### lam ...

- Developer Advocate at MetalBear
- Open Source fan girl
- DEI Advocate and a member of the Board at CHAOSS
- Organiser at the KCD Nigeria and CNCF Abuja





# **Outline**

Conventional Development
Environment

Challenges with the Old Ways

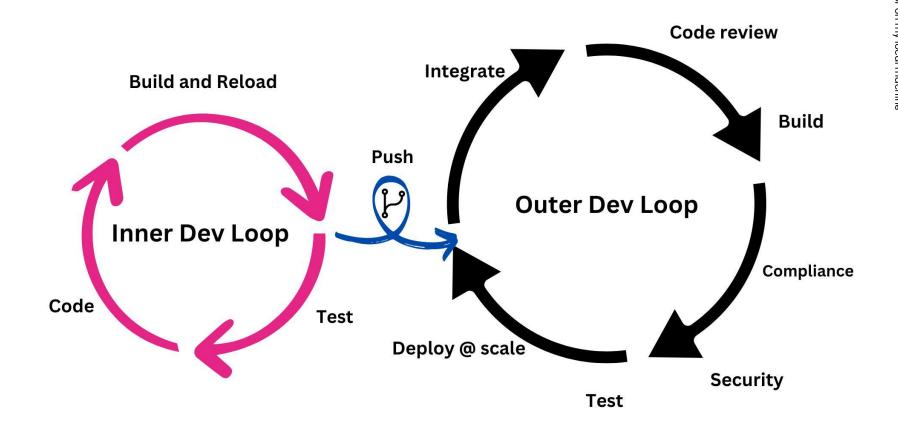
 Remote to Local Development as a Golden Path

mirrord saves the day!

Quick Demo

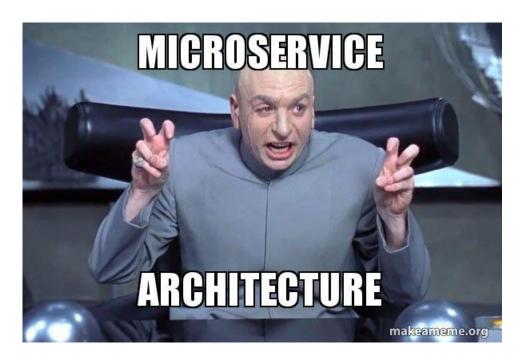


#### The Inner Loop and Outer Loop

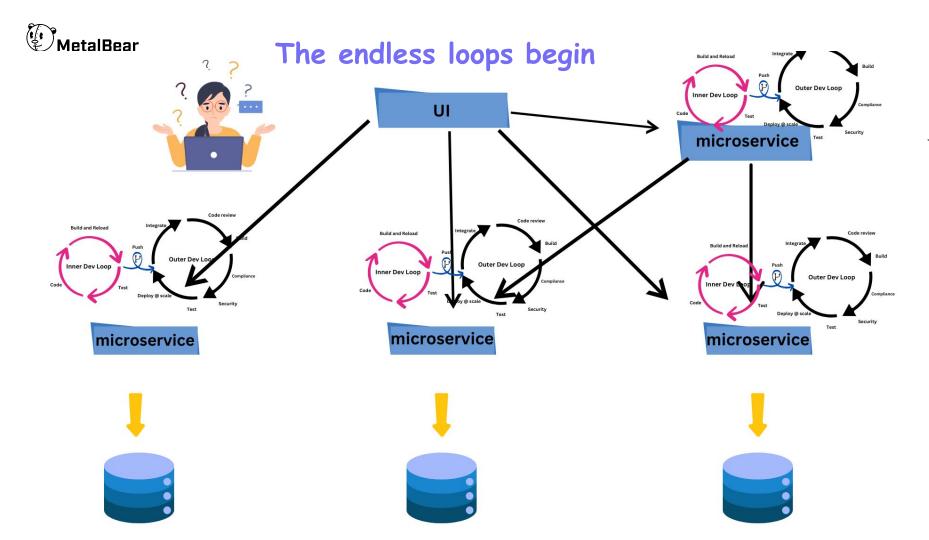




#### In came...









### **Challenges:**

- Lengthy rebuild and redeployment processes
- Suboptimal testing conditions
- Developers become increasingly dependent on DevOps

#### **Types of Headache**

#### **Migraine**







Stress

**Microservices** 



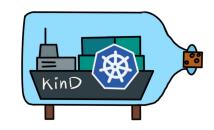






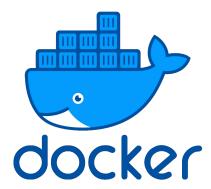
# It can't be all that bad right, what about local development tools?





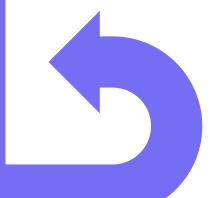






#### MetalBear

- Limited resources compared to a cloud environment
- Developers have to manage and maintain the environment
- Incompatible with specific processor architectures





"At least remote development still does the job right?"





**Azure Kubernetes Service (AKS)** 









- Long feedback loops that slow engineering efforts
- Frustrating debugging experience
- High cloud costs to set up environment
- Complex and overwhelming for developers





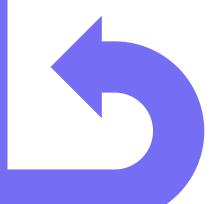
#### Remote to Local Development as a Golden Path





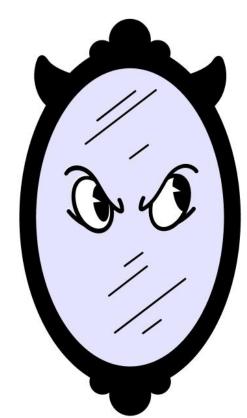
## Advantages

- Consistency between the remote and local
- Easy to use
- Fast feedback loops
- Saves cost
- Get the Best of both worlds





#### mirrord saves the day!

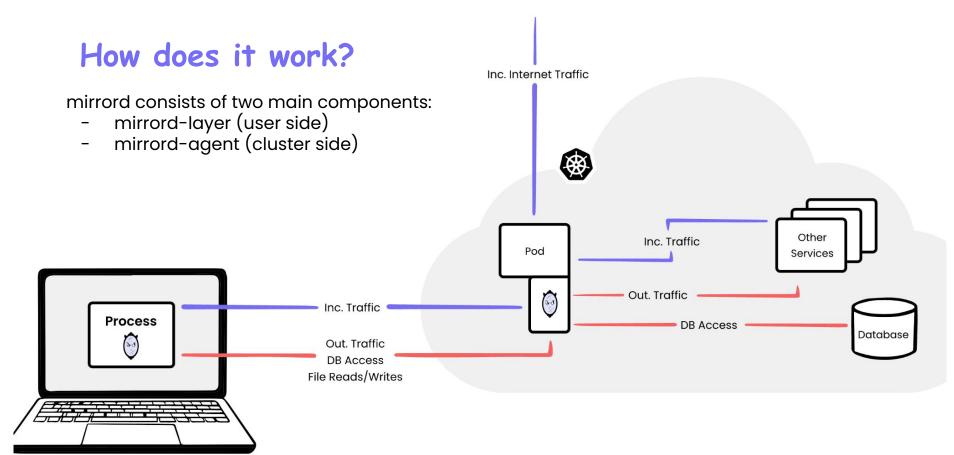




#### What is mirrord?

- 🖒 Comes as a CLI Tool or IDE Plugin
- Lets developers run a local process in the context of their cloud environment.
- Enables developers to work locally, but on a remote shared environment
- Keep the convenience of local development
- Resulting in: higher **developer velocity**, faster **time to market**, and lower **cloud costs**



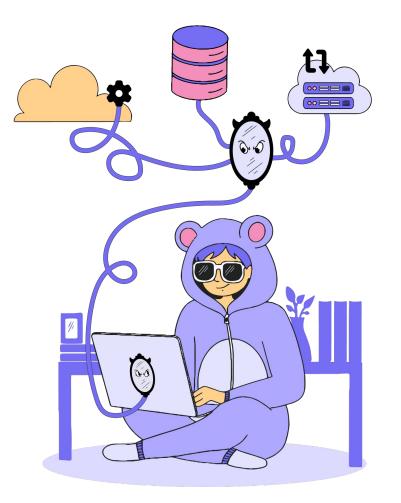






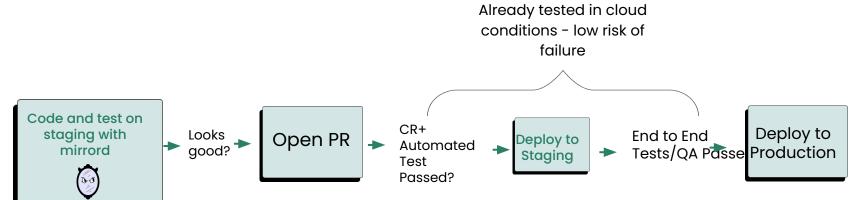


## mirrord in action





#### The Dev Feedback Loop with mirrord



- Immediately test in cloud conditions
- Less time spent on mocks and simulations
- Low chance of failure in later stages

# Questions?



https://mirrord.dev/

https://github.com/metalbear-co/mirrord

https://discord.gg/metalbear

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