

*Embracing Resilience: Unleashing the Power of Chaos  
Engineering in CD Pipelines*

## *A little about us*



**Sarthak Jain**

Senior Software Developer @ **Harness** 


Maintainer of **LitmusChaos** 

LinkedIn: [Sarthak Jain](#)

X: [SarthakJain\\_26](#)



**Saranya Jena**

Senior Software Developer @ **Harness** 

Maintainer of **LitmusChaos** 

LinkedIn: [Saranya Jena](#)

X: [@JenaSaranya](#)

## *Agenda*

- Chaos In CD pipelines?
- Some interesting stats
- Why Chaos?
- How we do it (demo)

## *Chaos in CD pipelines?*

Honest reaction of devops engineers who are running pipelines peacefully:



## *Some interesting stats*

- **Downtime Costs:** Unplanned downtime can be costly. The Gartner IT Key Metrics Data report states that the average cost of downtime is around **\$5,600** per minute.
- **Customer Impact:** Poor system reliability and unexpected failures can lead to a decline in customer satisfaction and loyalty. According to Zendesk, **39%** of customers will avoid using a product or service after a bad experience.

How to improve these numbers?



## *How to improve these numbers?*

- Make your system resilient
- Improve MTTR (Mean Time To Repair)

Chaos Engineering can help in achieving this.

## Why chaos step in CD pipeline?

1. Early Issue Detection
2. Enhanced Resilience
3. Improved Incident Response
4. Continuous Validation
5. Increased adoption of chaos



*Just a meme*





## *Demo Time*

Prayers to the demo gods



Identify steady state conditions.



Introduce a fault



Do the SLOs continue to be met?



Yes

Resilient



No

Weakness found

**Thank you for watching us till the end!**

