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# Who owns chaos?

conf42

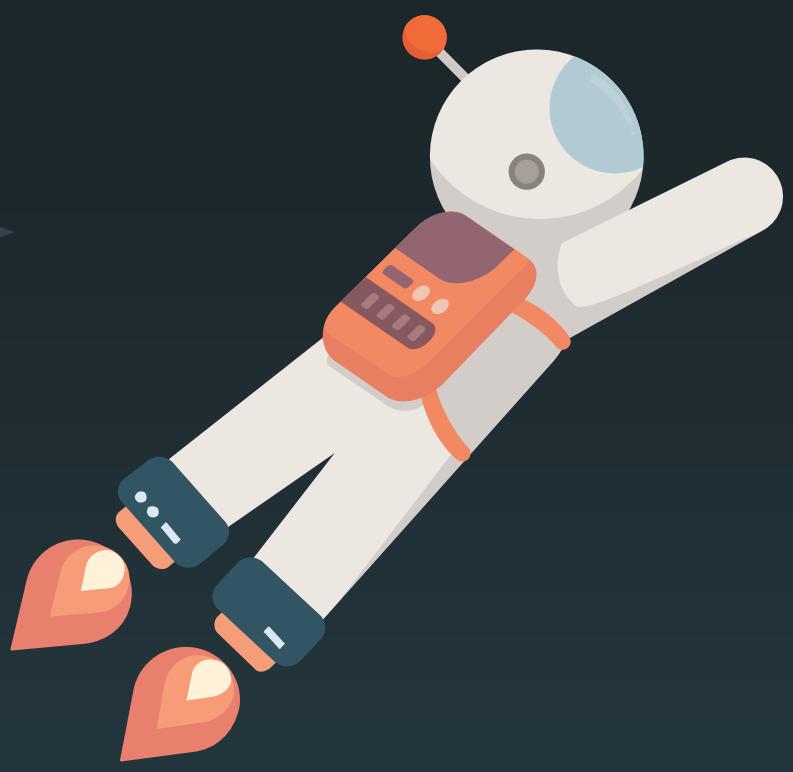


Joyce Lin

Developer Advocate Lead, Postman



@petuniaGray





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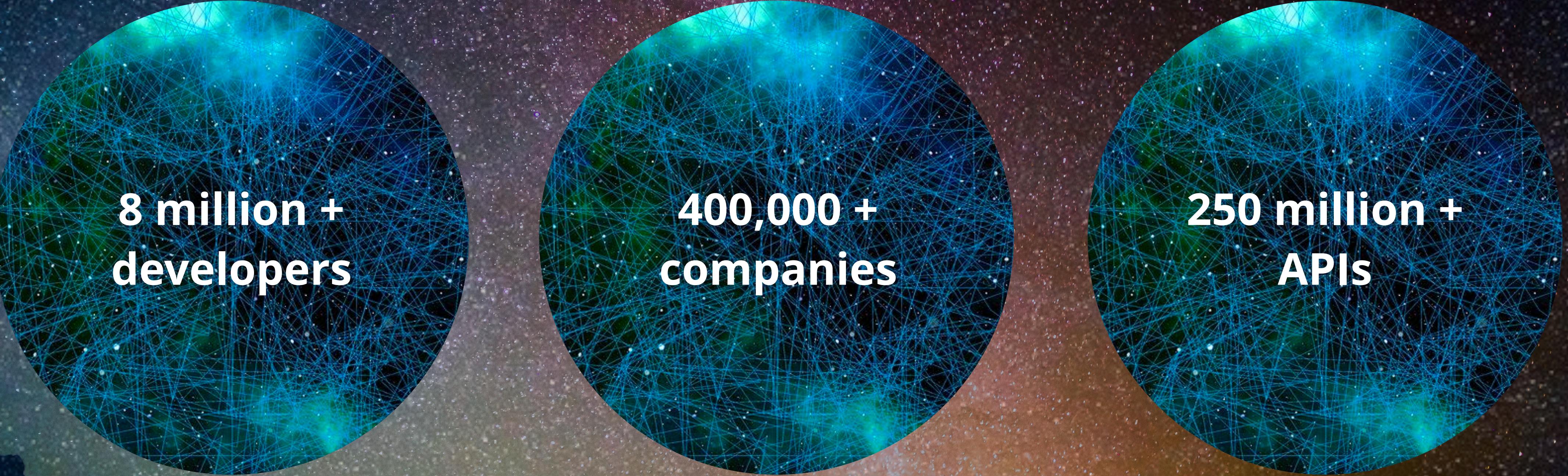


# Joyce Lin

Developer Advocate, Postman

Postman is an API Development Environment (ADE) used by more than 8 million people.

For many teams, Postman is an everyday tool that helps people work with APIs more efficiently.



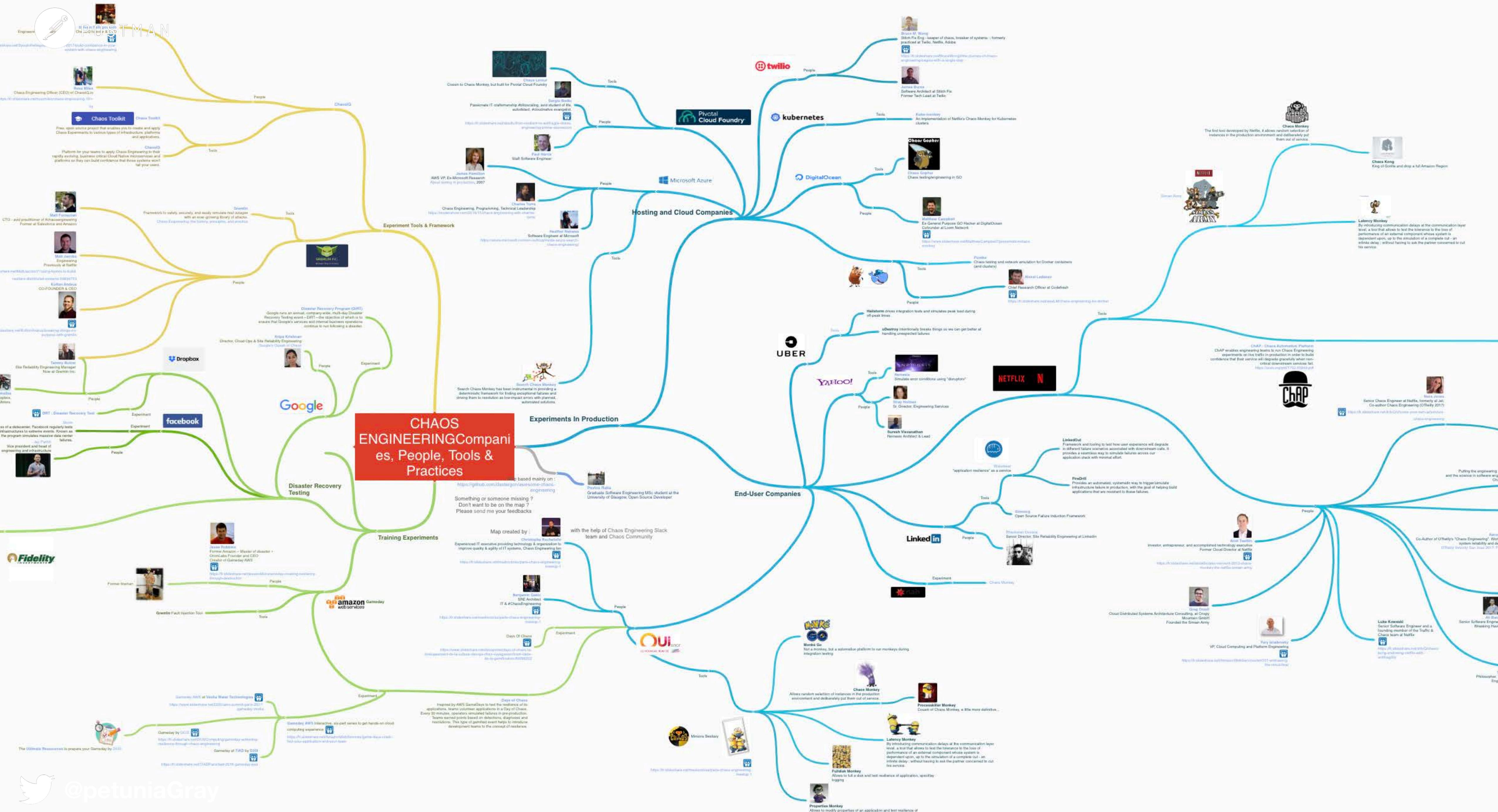
**8 million +  
developers**

**400,000 +  
companies**

**250 million +  
APIs**

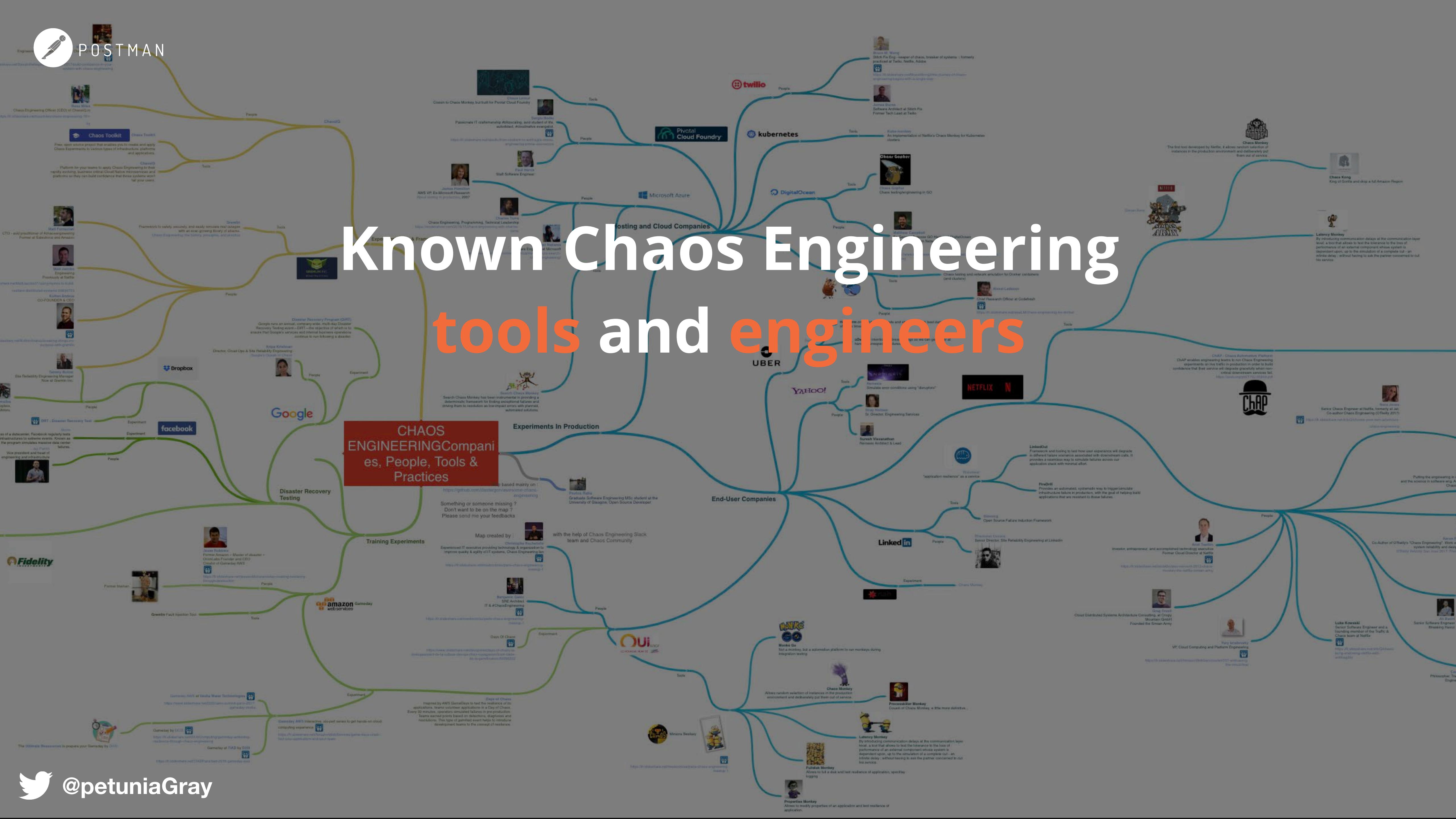


Who is **responsible**  
for chaos?



# Now Chaos Engineering

## Tools and engineers

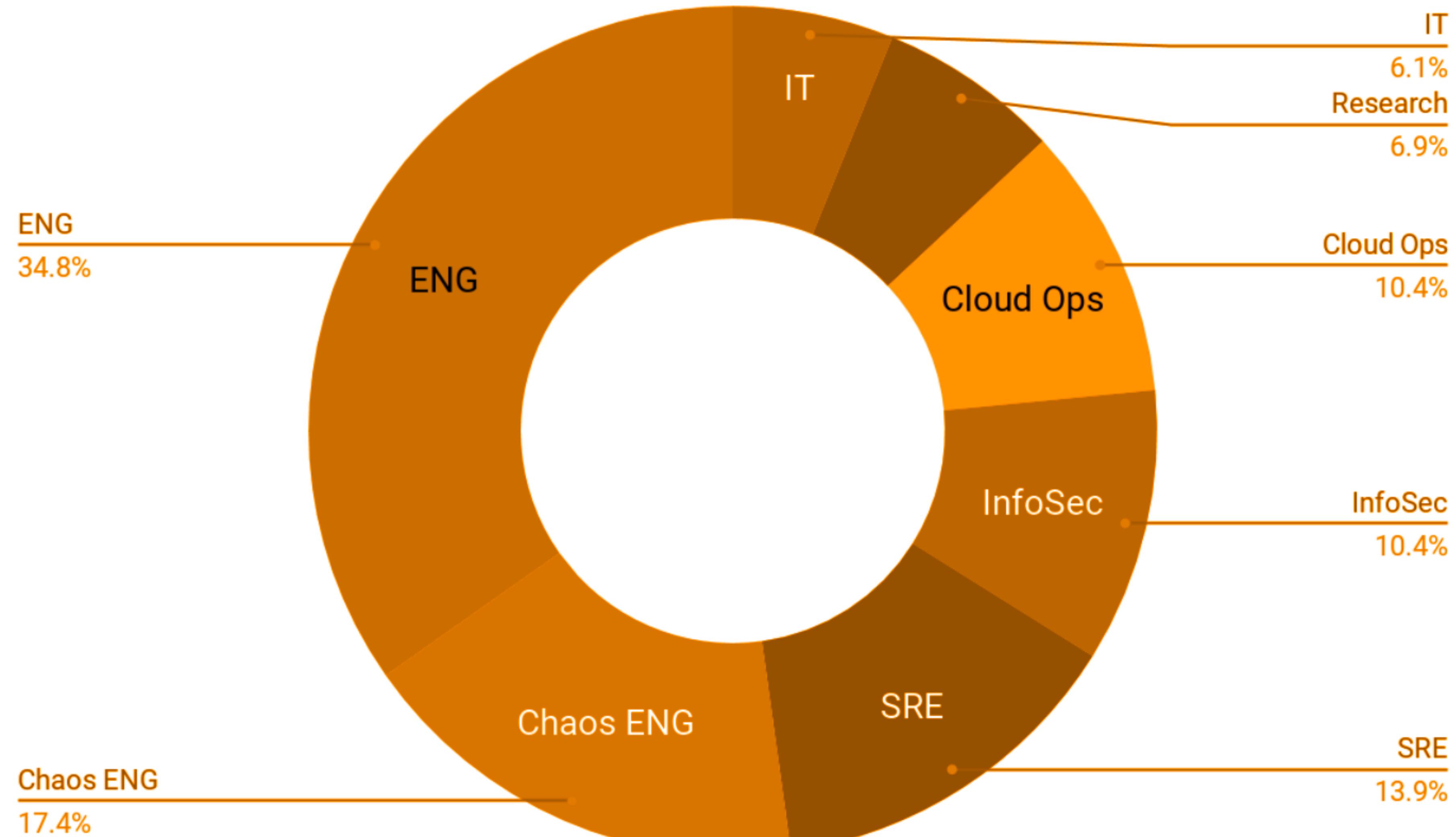




Which **job titles** are  
doing chaos?



# By Job Title



**It boils down to who gets paged - if that's an SRE or Ops team they have the most incentive to start doing this work and making their lives better.**

**- Kolton Andrus, CEO at Gremlin**



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# Responsibilities

- **Chaos specialists**





# Responsibilities

- Chaos specialists
- Deployment and uptime





# Responsibilities

- Chaos specialists
- Deployment and uptime
- **Incident management**





# Responsibilities

- Chaos specialists
- Deployment and uptime
- Incident management
- **Domain knowledge experts**





# Responsibilities

- Chaos specialists
- Deployment and uptime
- Incident management
- Domain knowledge experts
- **Testing in Production**





# Roles

- Site Reliability engineer
- Production engineers
- DevOps engineers
- InfoSec engineer
- Research analyst





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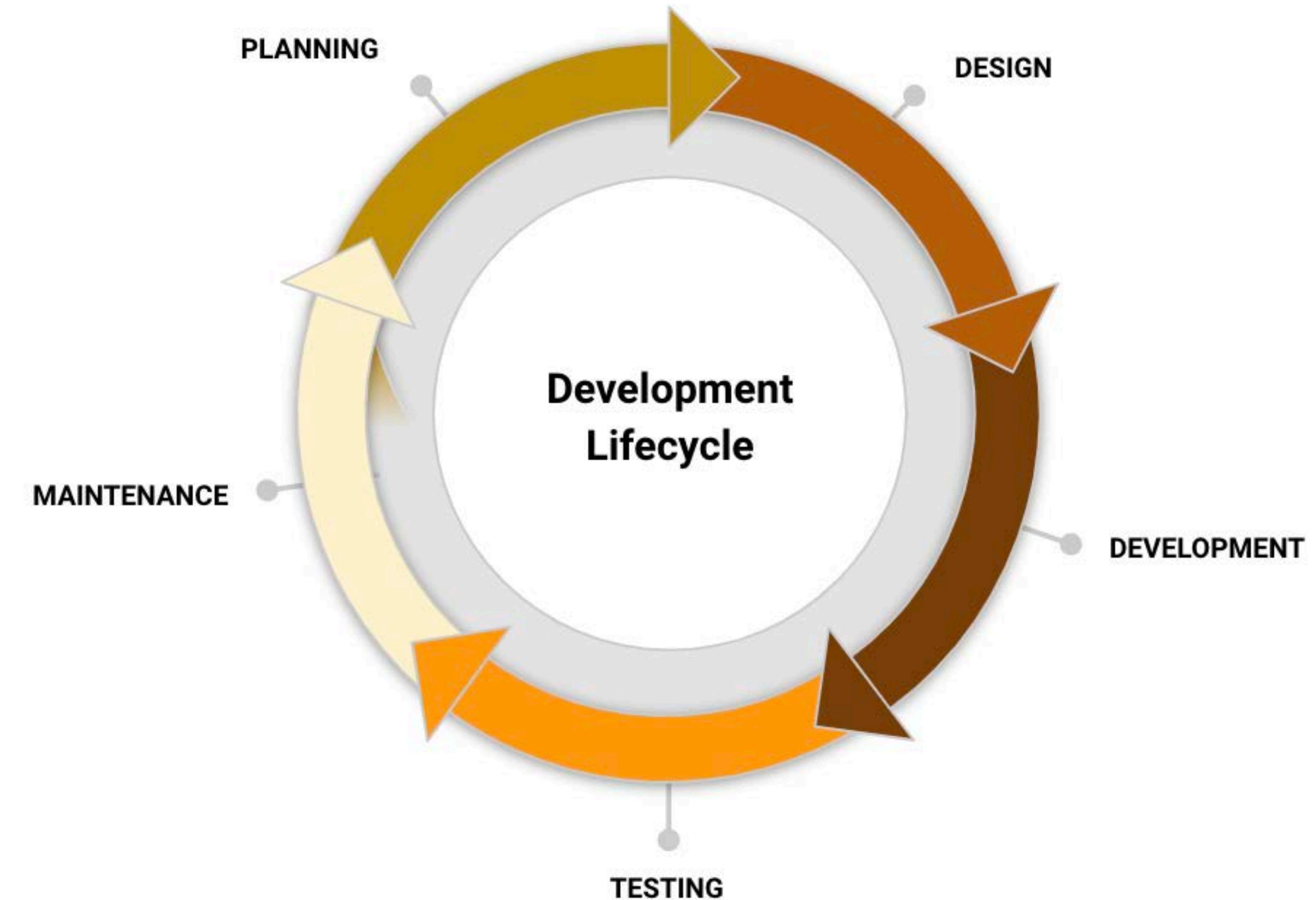
# Why aren't **testers** doing chaos?



Before there was Chaos Engineering,  
there was Chaos Testing



# Software Development Lifecycle





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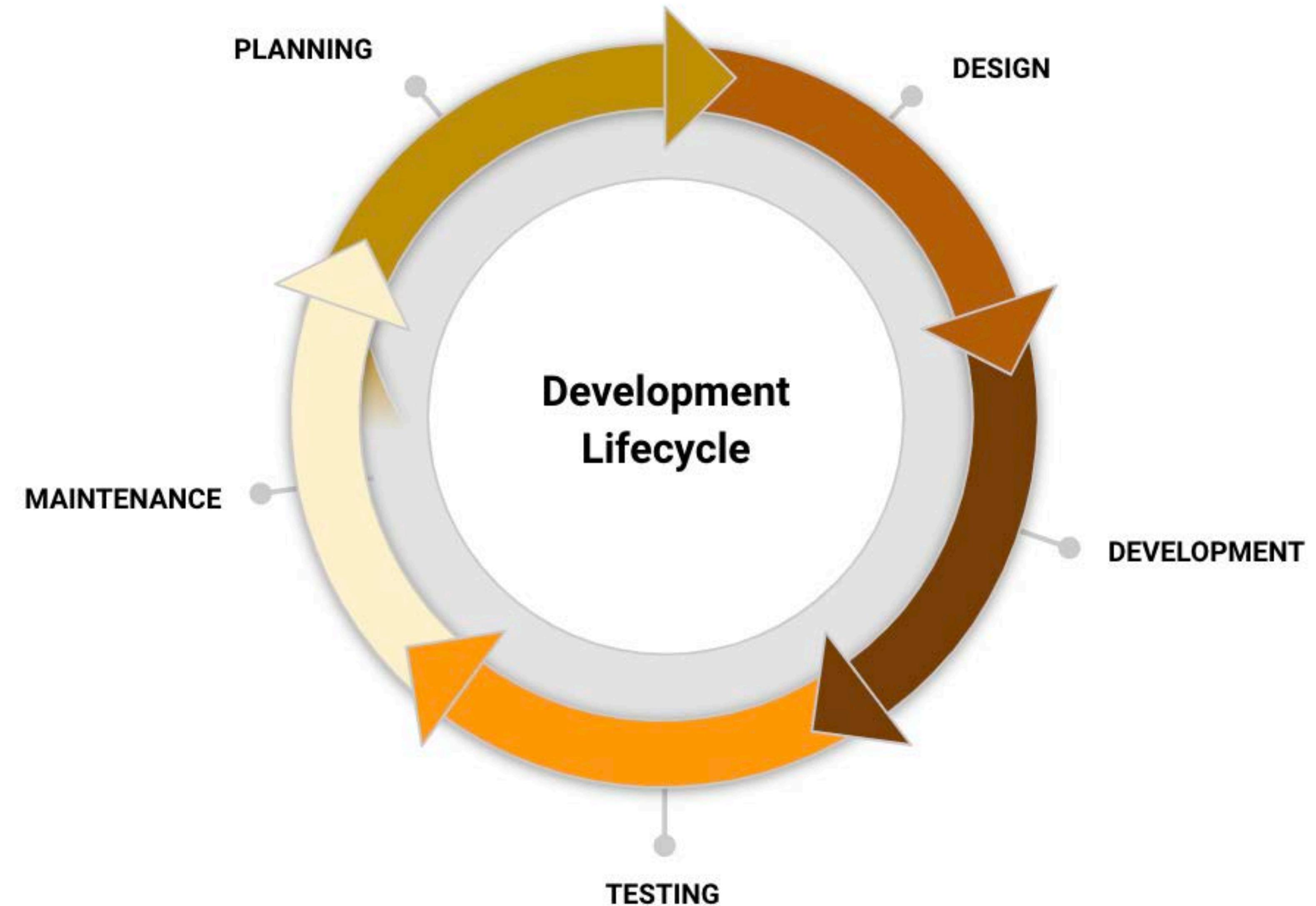
It was called  
chaos testing

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# Software Development Lifecycle



The biggest limitation in the fear of delivering software faster is the focus on adding more pre-release testing.

- Abby Bangser, Platform Test Engineer at MOO



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...building confidence that we aren't  
fragile.

- Abby Bangser, Platform Test Engineer at MOO



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# Testers doing chaos?!



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# Testers doing chaos!?

- Focused on pre-release testing
- Early research and pilots
- Automation of chaos experiments





Our engineers come up with the chaos experiments, and then our testers run and automate them.

- Director of Engineering, Very Large Company





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Who can **start** a chaos program?



# Who has?

- Insights





# Who has?

- Insights
- **Access**





# Who has?

- Insights
- Access
- **Buy-in**





There's a directive from our CTO to start a chaos program [after losing \$600M in 22 minutes].

- Director of Testing, Anonymous





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Do I need to wait for a **catastrophe?**

Perhaps aggregate bits and pieces from different [resilience engineering] frameworks that appeal to you, and then create a practice around it.

- Casey Rosenthal, CEO at Verica



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I wish the best of luck to you in that undertaking, but I wouldn't wager that you get it right on your first try. Or your second.

- Casey Rosenthal, CEO at Verica



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# Final thoughts



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# More adoption of chaos engineering



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# A shift in roles and responsibilities





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# Building a culture of resilience





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# Thank you

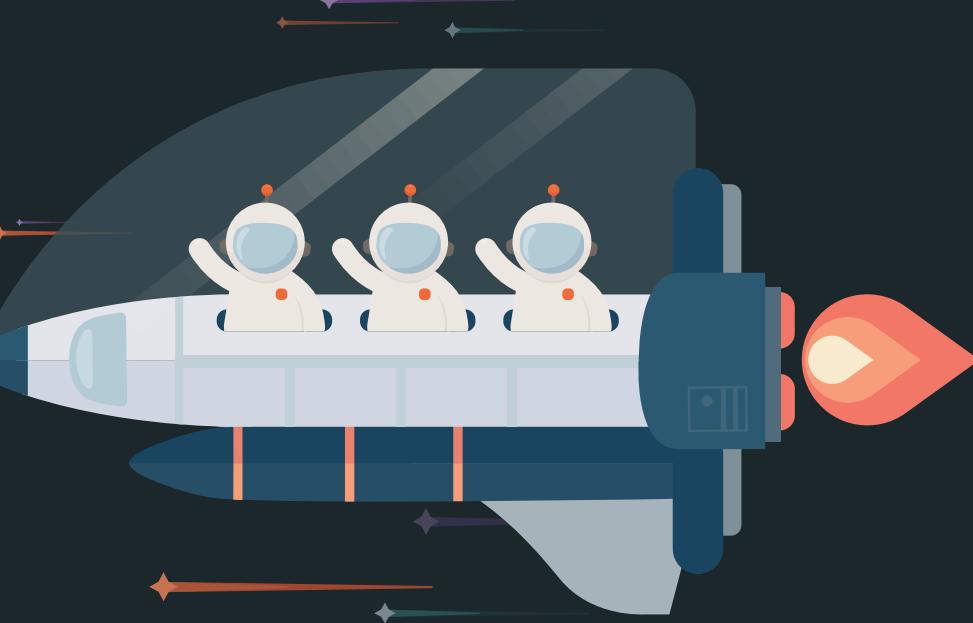
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# Resources

Building resilient APIs with  
chaos engineering  
[better practices blog](#)

Chaos leaders and tools  
[chaos slack community](#)

