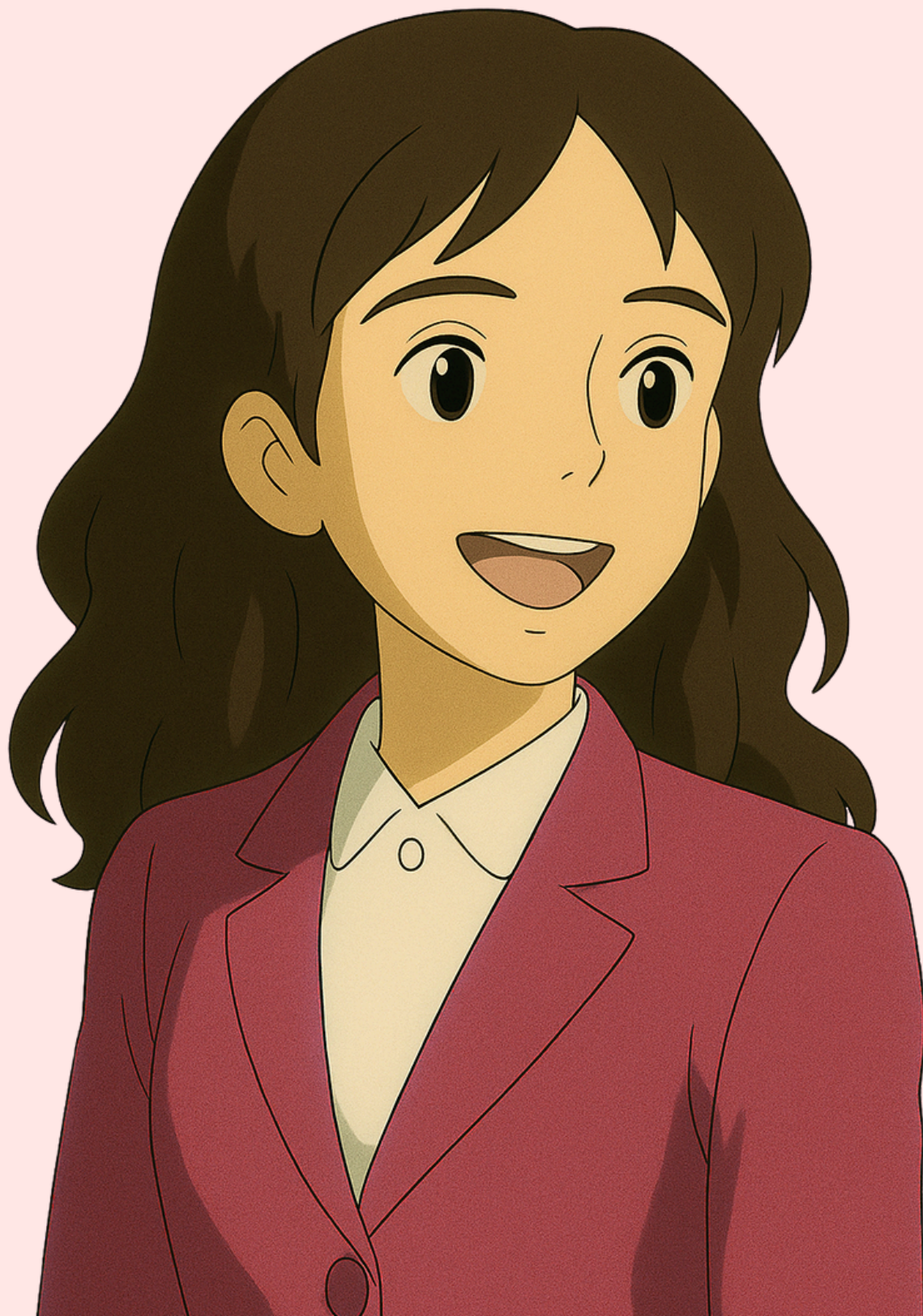


# aws Outage 2025

**What Went Wrong?**

**What We Can Learn?**



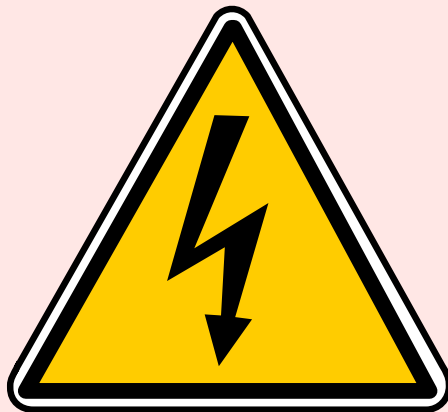
Nensi Ravaliya



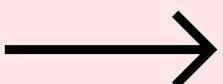
1

# What Happened on October 20, 2025?

A major AWS outage hit the US-East-1 region due to a DNS resolution failure in Amazon DynamoDB.



That single issue caused a cascade of service disruptions across **hundreds of websites worldwide** including Reddit, Snapchat, and Venmo.



## 2

## The Root Cause

“DNS resolution failure of the DynamoDB API endpoint.”



- When DNS failed, apps couldn't find DynamoDB servers. **No connection → no data → app downtime.**
- It wasn't data loss — it was service unreachability because **DNS = address book of the internet.**



## 3

## Why It Spread So Fast

A small bug in one foundational service broke hundreds of others relying on it.



- DynamoDB is **core** for many AWS services.
- When it failed, **dependent systems** failed too.
- This is called a **cascading failure**.



## 4

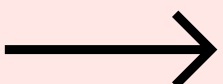
# What We Can Learn (as DevOps Engineers)

Resilience > Reliability.

Because even AWS can go down.

# LEARN

- Build multi-region **redundancy**
- Avoid single-region **dependency**
- Use caching or **failover** for critical APIs
- **Monitor** DNS and **health** checks
- Test **disaster recovery** regularly



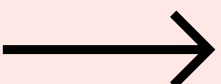
# 4

## Final Thought

If AWS can go down, anyone can.

### CONCLUSION

- That's why **DevOps** isn't just about automation.
- it's about **resilience, observability, and recovery.**

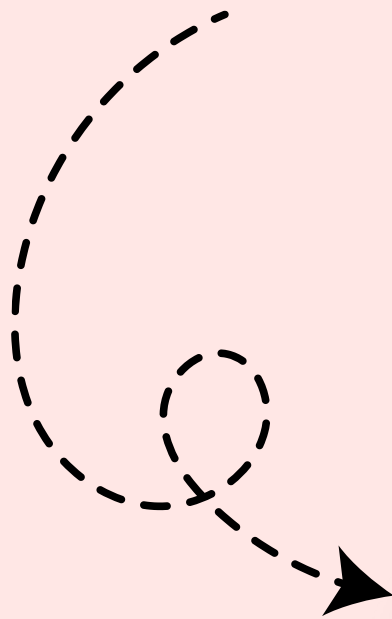




# Repost and Follow

## Nensi Ravaliya

# for more content



**Want to build your  
career in cloud?**

**Subscribe to  
Yatri Cloud Channel**

