

# Using Aurora Global databases for [10x] faster API

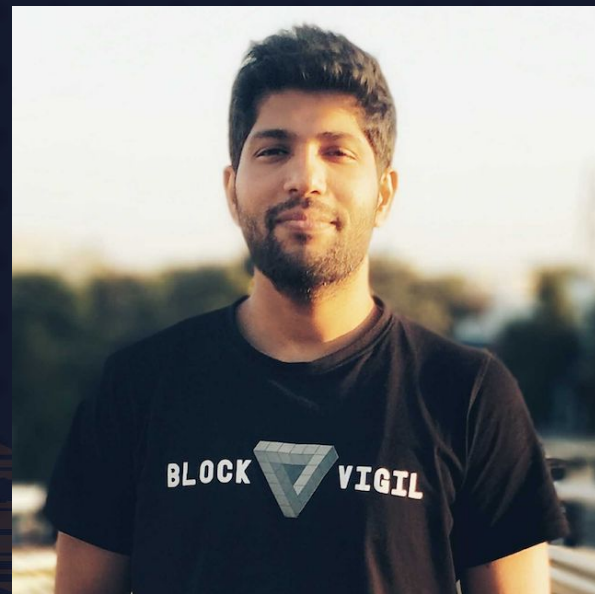
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# Who am I?

*AKA Why should you bother listening to rest of the talk*

- Building technology companies for 15+ years
- Ran a hosting company before AWS (“Cloud”) existed 🤖
- Wear multiple hats at BlockVigil + PowerLoom



Swaroop Hegde

# What is BlockVigil

*The only slide I will talk about it, promise!*

- API gateway for Blockchain 😄
- Early stage - 2 full time engineers
- 10 million calls/day 🚀
- No dedicated devops 🤖
- Swiggy profitable much thanks to AWS activate 🙏

# Problem

*Not just because it's fun to do setup*

- Instances restricted to one region - us-east-1
- Customers are global 
- High latency (10x) from India (Asia) 
- We can't \*always\* blame blockchain 

# Solution

*It's 2020, this should be a breeze!*

- Use read replicas to speed up calls
- Fully use Global Aurora to do writes from regional instances
- Latencies down from 550ms to 60ms. 🤖
- Infra cost went up but no additional engineers ⚖️

# DEMO TIME





# Disclaimer

*Do not try this at home!*

- Costs - only r5 instances and above
- Overkill - if your customers don't care
- Battle tested?



# Thank You

<https://github.com/SwaroopH/acd-india-2020> (bit.ly/swaroop-acd)

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Request to share feedback and join AWS User Groups

