

An abstract geometric design on the left side of the slide. It features a dark blue background with various geometric shapes and patterns. A white circle is at the top left, connected by a white line to a series of concentric circles. Below this, there are several overlapping squares and triangles in shades of blue, purple, and pink. Some of these shapes contain patterns of concentric circles or parallel lines. The overall design is modern and minimalist.

# DEEP DIVE INTO THE OPEN-SOURCE WORLD

# ABOUT ME 🖐️

Sankalp Kotewar

From Nagpur, Maharashtra

SDE 2 at  Microsoft

Graduated from VNIT, 2018

Bachelor of Technology in  
Computer Science & Engineering

Previously,

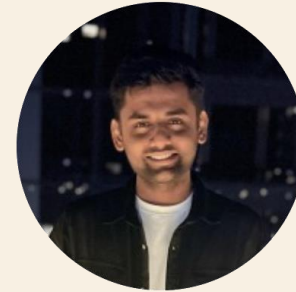


GitHub



Fidelity  
INVESTMENTS

Interests – Art, Music and Gaming



LinkedIn

[Connect with me](#)



# PREVIOUSLY... 😄



Speaker at GDSC 



Judge at Elevate (GHRCE)



Chief Guest for installation of student body of 3 departments (RCOEM)



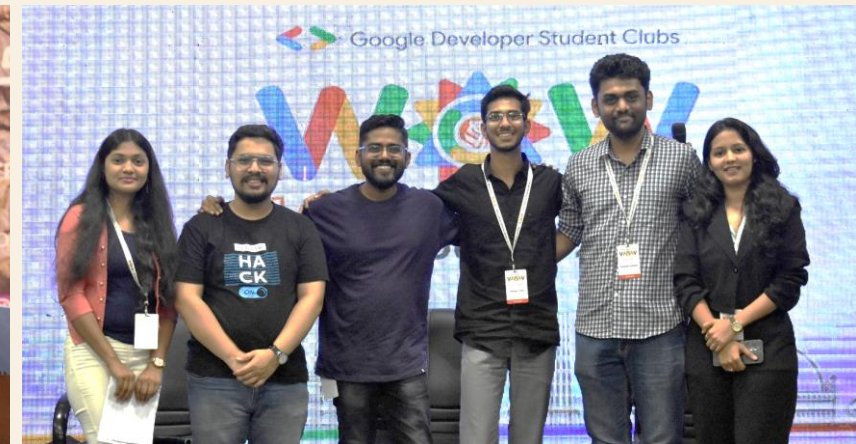
Judges, Mentors & Organizers at Elevate (GHRCE)



The entire team of Elevate & Hackathon (GHRCE)



Speaker at Upsurge 2k22 (YCCE)



Panel at GSDC WOW 2023

# AGENDA



## OPEN SOURCE 101

What is Open Source?

## HOW TO START?

How do I get started?  
Usual blockers in the beginning  
My experience with GitHub Actions

## WHY OPEN SOURCE?

What are its benefits?

## Q & A

Let's talk out loud





# OPEN SOURCE 101

# WHAT IS OPEN SOURCE? 🤔

Open source software is code that is designed to be publicly accessible—anyone can see, modify, and distribute the code as they see fit. Open source software is developed in a decentralized and collaborative way, relying on peer review and community production. 24 Oct 2019



Red Hat

<https://www.redhat.com/topics/what-is-open-source>

What is open source? - Red Hat

Focus on

Public Decentralized Collaboration Community

# WHY OPEN SOURCE? 🤪

## CONTROL

- Do the expected
- Change what you don't like
- Remove the not needed

## COMMUNITY

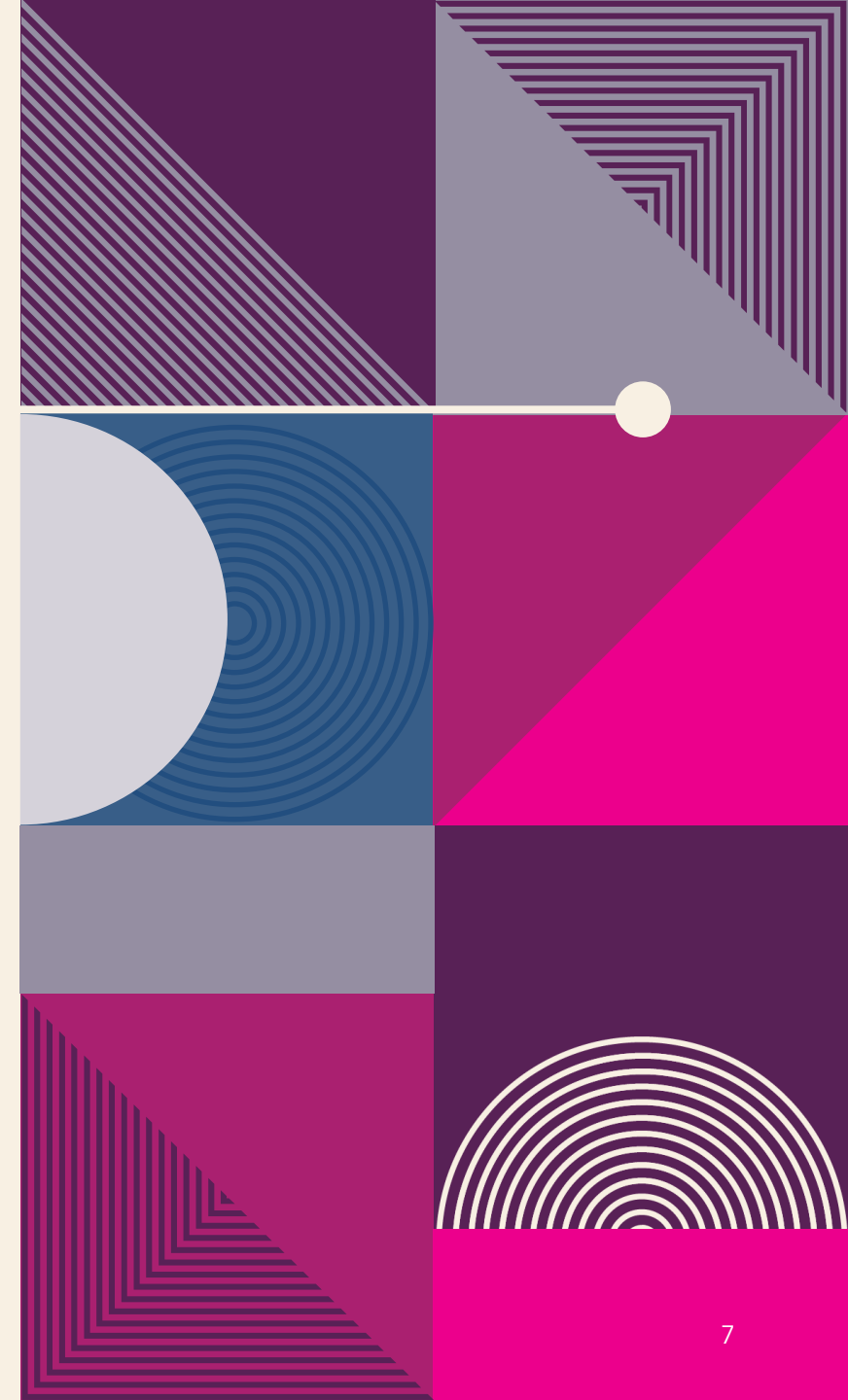
- You work as a group of like-minded
- Great minds contribute greater
- Easy collab around the world

## SECURITY

- Know the software in-depth
- Vulnerabilities easily spotted
- Quick resolution

## STABILITY & SUPPORT

- Project keeps running
- Enough learning docs & opportunities
- Sponsorship



# A COMMON MISCONCEPTION 🧐

## DOES OPEN SOURCE ALWAYS MEAN ITS FREE?

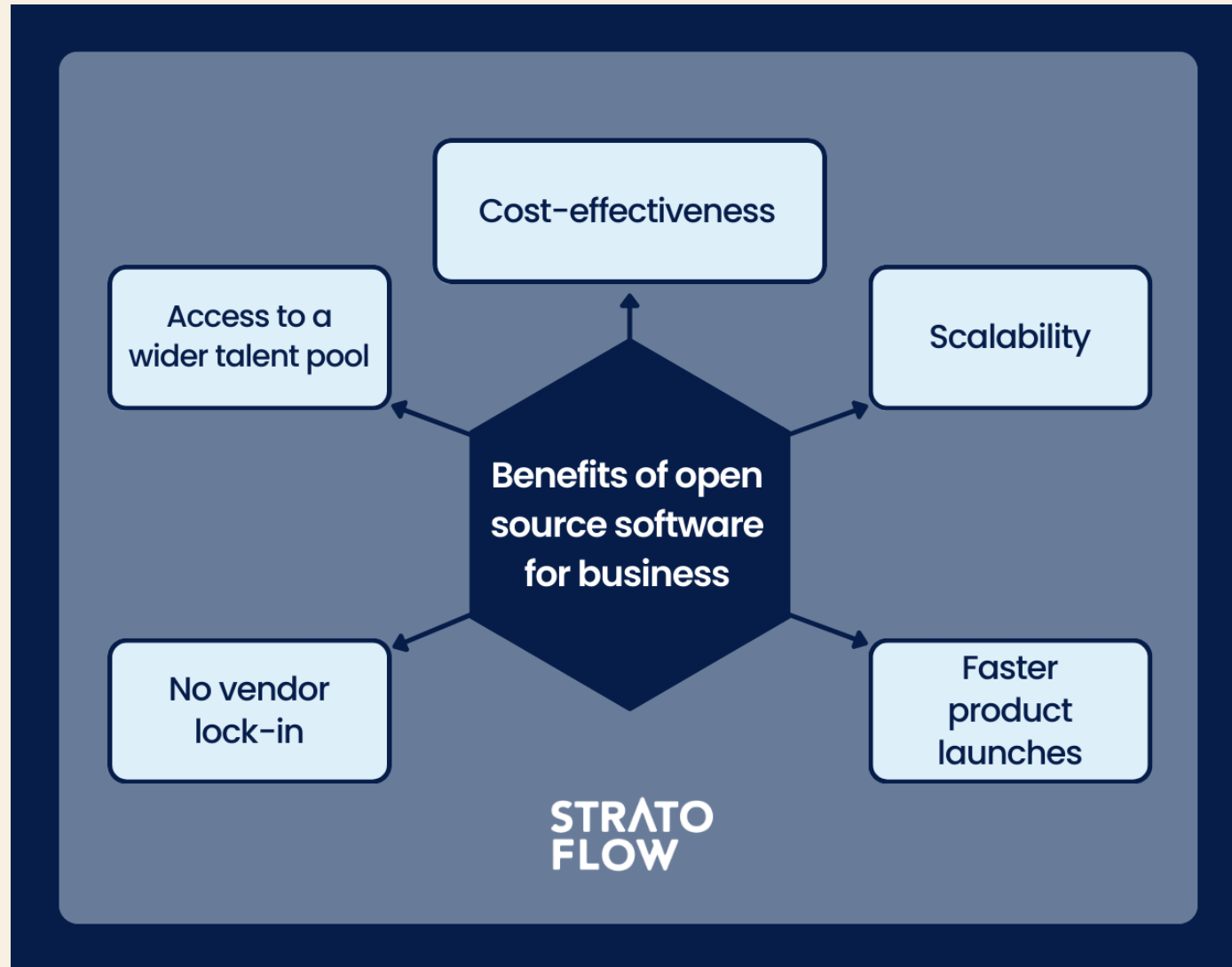
- Short answer, No.
- Open-source software programmers may charge money for the open-source software they create or to which they contribute.
- Cost could be related to licensing, training and support area which is mostly related to enterprises.
- But that's rare, so don't worry, but in the long term do go through their license just to be sure!
- Checkout [choosealicense.com](https://choosealicense.com) to see some open-source licenses.



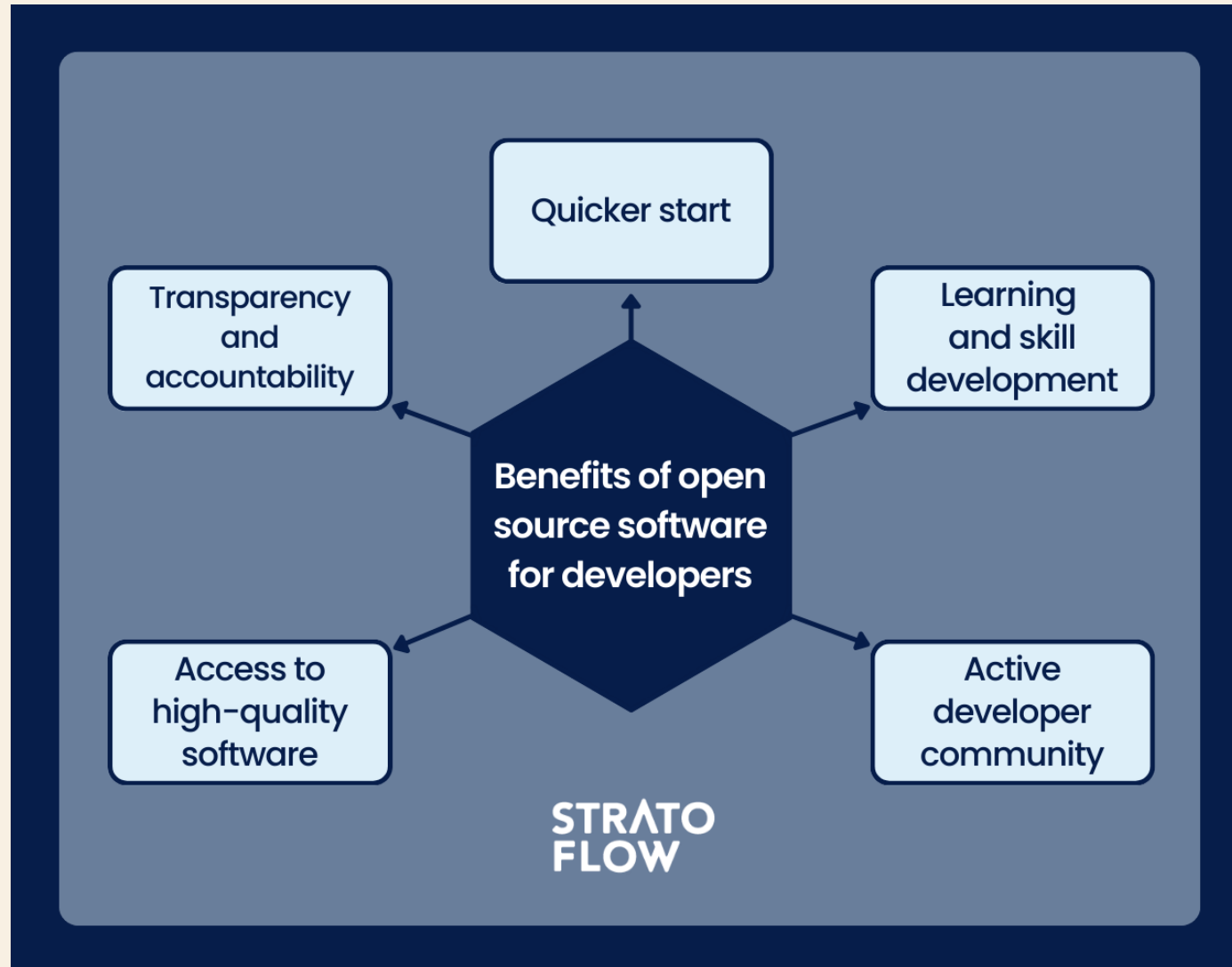


# WHY OPEN-SOURCE?

# BENEFITS TO A BUSINESS



# BENEFITS TO A DEVELOPER





# HOW TO START?

# STAGES OF OPEN SOURCE

1

Choose a repo

2

Pick up some work

3

Get your work published



# CHOOSE A REPO

- There are thousands of them which to choose?
- I am bad at coding how do I proceed?
- I can't understand the code
- What/How do I contribute?
- I can't even run code in my machine? What now?

# PICK UP SOME WORK 🖌️

- Start browsing the **Issues** tab.
- Most often, issues are tagged as “good-first”.
- If not, you can always start with basic doc changes to understand how the product works.
- Go through existing work done in the past – browse PRs and closed issues.

# GET YOUR WORK PUBLISHED

- I made some code changes - what now?
  - It works on my machine
  - It works on everyone's machines
  - Also, I added a good doc.
- Raise a **Pull Request** and get it reviewed
  - Review comments
  - Merge conflicts
- Release – yay! 🎉

# QUESTIONS



# THANK YOU



Sankalp Kotewar

[linkedin.com/in/sankalpkotewar](https://www.linkedin.com/in/sankalpkotewar)

*Download slides here* 





# BONUS

## DSA resources

[GeeksforGeeks](#)

[HackerRank](#)

[YouTube \(Abdul Bari\)](#)

[YouTube \(William Fiset\)](#)

[Competitive Programming Roadmap](#)

[Leetcode](#)

[Other free resources](#)

## Self-projects

[GitHub - Tech projects](#)

[GitHub - DSA Projects](#)

[Kaggle - AI/ML](#)

## Improve your skills

[Roadmap.sh](#)

[FreeCodeCamp](#)

[JavaTPoint tutorials](#)

[W3Schools](#)

## Resume guide

[By Google](#)

[By Nishant Chahar](#)

[NovoResume](#)

[ATS checker](#)

## Bonus videos - Life lessons when you're in your 20s

[Ankur Warikoo](#)

[Aman Dhattarwal](#)

[GaryVee - short](#)

[Ultimate college graduation speech - GaryVee](#)

[Motivation to Study](#)