



CodeSpaces and opensource workshop

How it acutally works?



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- I am 2nd year undergrad student at Comsats Lahore.
- I have previously contributed to Rocket.Chat in 2024
- I am Beta-MLSA.
- My experiences:
 - - More than 20 interviews with folks working in big Tech.
 - - Part of RSP, Team
 - - over year of developing MERN applications



In this Workshop we'll discuss



Github
Codespaces



What is
opensource?



opensource
Programs?



How to crack
them?

why Github Codespaces?

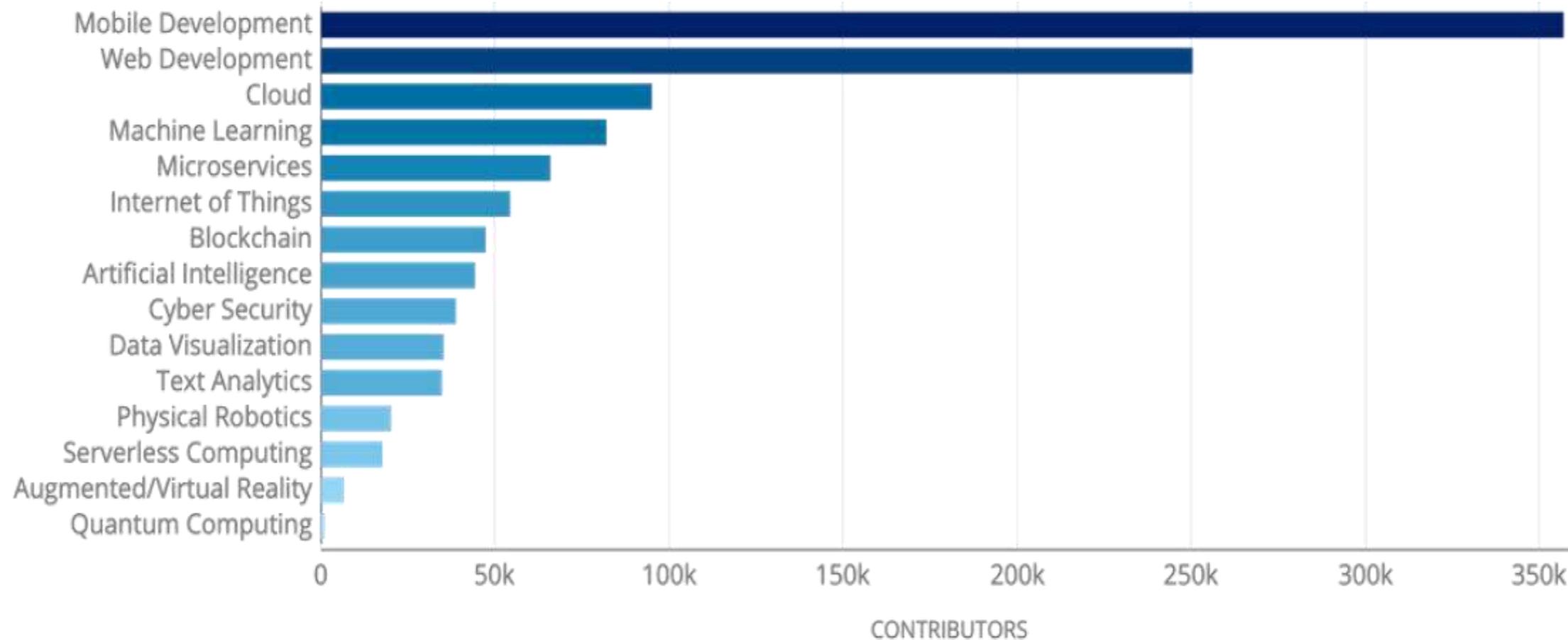
Hey guys, have you heard of codespaces on GitHub? It's like a development playground in the cloud where you can work on your projects. You can make it super easy for everyone to jump in and start coding by setting up a configuration file in your repo. This way, all users can have the same setup when they enter your codespace. It's like magic! So cool, right? Let's all make our projects

```
emotion.rb
```

```
attr_reader :label
attr_reader :pronounceable_label
# Public: Get the Emoji that this reaction's content represents.
# Returns an Emoji.
attr_reader :emoji_character
def initialize(content:, label: nil, pronounceable_label: nil, emoji_character: nil)
  @content = content
  @label = label || @content
  @pronounceable_label = pronounceable_label || @label
  @emoji_character = emoji_character || Emoji.find_by_alias(@content)
  @platform_enum = @pronounceable_label.gsub(/\s+/, '_').upcase
end
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
[10:43:51] Starting 'watch-extension:node-reload'...
[10:43:51] Finished 'clean-extension:node-restart-language-features' after 290 ms
[10:43:51] Starting 'watch-extension:typescript-language-features'...
[10:43:51] Finished 'clean-extension:typescript-language-features' after 304 ms
[10:43:51] Starting 'watch-extension:rpql-language-features'...
[10:43:51] Finished 'clean-extension:rpql-language-features' after 4166 ms
[10:43:51] Starting 'watch-extension:html-language-features-server'...
[10:43:51] Finished 'clean-client' after 2.33 s
[10:43:51] Starting 'watch-client'...
[10:43:51] monaco.d.ts: Starting monaco.d.ts generation
[10:43:51] monaco.d.ts: Finished monaco.d.ts generation
```



OPEN SOURCE COMPASS
<https://opensourcecompass.io/domains>

Deloitte.

High growth in no. of contributors

Examples of opensource projects :



contributions? PR?

The screenshot shows the GitHub interface for the Rocket.Chat repository. The top navigation bar includes links for Code, Issues (2.6k), Pull requests (602), Discussions, Actions, Projects (21), Wiki, Security, and Insights. A search bar and various repository management icons are also present. The main content area displays a list of open pull requests (PRs) with the following details:

PR	Title	Status	Author	Comments
#32659	MacOs Rocket.Chat microphone problem	stat: waiting response	devopsalexandr	19
#32651	CPU Overload with Rocket 3.9.14	stat: need more info	agnusfatts	4
#32650	Previewer function is not notified of all keystroke events	stat: triaged	AmanNegi	4
#32584	Issue with Cyrillic Words Highlighting	type: bug	CyberStranger	4
#32583	Omnichannel/Livechat E-Mail doesn't work	stat: needs reviewed	charlyrock	3
#32577	Some emojis (emoticons) break the MD parser	stat: triaged type: bug	Lao-Ax	3
#32554	Migrate AWS SDK for JavaScript v2 APIs to v3	stat: triaged	trivikr	3

Opensource programs:

- 1:Google Summer of Code (GSoC) (2000 \$)**
 - 2:Google Season of Docs (GSoD) (3000 - 6600 \$)**
 - 3:Outreachy (7000 \$)**
 - 4: MLH Fellowship (5000 \$)**
 - 5: Hyperledger Mentorship Program**
 - 6: GirlScript Summer of Code (GSSoC)**
 - 7: Open Summer of Code**
 - 8: Linux Kernel Mentorship Program**
 - 9: Season of KDE**
- AND MORE...**

Gsoc 2025

- Accepted Orgs Announced - Feb 21
- Proposal Deadline - Apr 2
- Accepted Projects Announced - May 01
- Results - September 3



outreachy 2024

Important Round Dates	Mid-year Internships	End of year Internships
Call for mentoring communities opens	early January	early August
Initial applications open	early February	late August
Initial applications due	end of February	early September
Contribution period opens	mid March	early October
Contribution period ends	mid April	end of October
Interns announced	mid May	late November
Internships start	May	December
Internships end	August	March

Finding fit organization?

- Planning for placement or opensoure program?
 - How much time you have?
 - Which project to work upon?
 - How to start contributing?
 - Do, setup project locally first.

```
at Module._compile (module.js:569:30)
at Object.Module._extensions..js (module.js:580:10)
at Module.load (module.js:503:32)
at tryModuleLoad (module.js:466:12)
at Function.Module._load (module.js:458:3)
at ELIFECYCLE
at simplewordgame@1.0.0 start: 'node index.js'
at exit status 1
at Failed at the simplewordgame@1.0.0 start script.
at This is probably not a problem with npm. There is likely additional log
output above.
at A complete log of this run can be found in:
at /Users/Sleekwick/.npm/_logs/2018-06-26T13_12_05_391Z-debug.log
at simplewordgame@1.0.0 start /Users/Sleekwick/Desktop/wordgame
at node index.js
at Server running at port 7777
at Restart Visual Studio Code to apply the latest updates.
Ln 23, Col 1  Spaces: 2  UTC
Update Now  Later
```

Contributing?

- Finding issue?
- Creating issue?
- Creating pr?
- Pr template?
- Examples of a good pr?



Manging full time, freelancing & opensource?

- 3-4 hours week opensource work
 - Create your own projects.
 - Make good portfolio for freelancing.
-
- Freelancing projects are not regular.
 - Focus on full time job it save lot of your pain points.
-
- Keep looking for remote or onsite internship opportunities.

Example Proposals: EveryOne is a human with fears...

<https://shorturl.at/oIBQL>



Any Questions?

Connect on Linkedin?



<https://www.linkedin.com/in/ali-hamza-0a139128a/>



<https://thealihamza.me>

Sign up A white checkmark icon inside a circle, indicating a successful action or confirmation.



Thank you.
