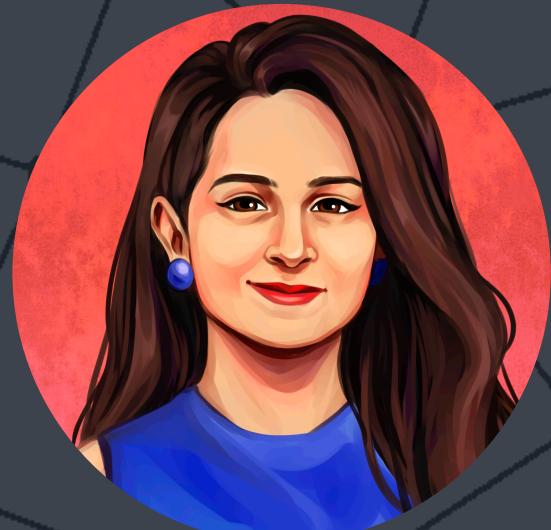


Navigating Technical Interviews



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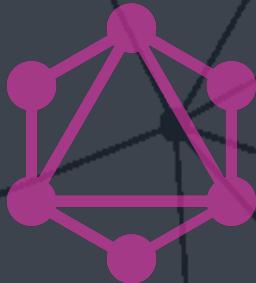


Shruti Kapoor

JSBytes:  tinyletter.com/shrutikapoor



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#DEVJOKE



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Question: Why did the JavaScript developer leave?

Because they didn't get arrays.

Question - Why did the developer die in
the shower?

They read the shampoo bottle instructions:

Lather.

Rinse.

Repeat.

Question: How did HTML get drunk?

It had too many

[Code](#)[Issues 1](#)[Pull requests 56](#)[Actions](#)[Projects](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)[master](#)[2 branches](#)[0 tags](#)[Go to file](#)[Add file](#)[Code](#)

shrutikapoor08 Merge pull request #268 from SauravKumar-max/patch-3 ...

36a1fcf 6 minutes ago 435 commits

[images](#)

Merge branch 'master' into master

7 minutes ago

[.gitignore](#)

add be vs fe devjoke

11 months ago

[CONTRIBUTING.MD](#)

Update CONTRIBUTING.MD

11 months ago

[README.md](#)

Merge branch 'master' into patch-3

6 minutes ago

README.md



Dev Joke

Send me a PR if you know a good Dev Joke.

If somebody refers me for a job 🤖 will it be considered 'pass by reference' or 'pass by value'? 😂😂

About



#DevJoke. Submit a PR if you know a good dev joke.

jokes developer-jokes humor
programming hacktoberfest

Readme

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Contributors 138



<https://github.com/shrutikapoor08/devjoke>

rt You Retweeted



Shruti Kapoor @shrutikapoor08 · Jan 25

Since you asked, I shall deliver -

Question: Why do C# and Java developers keep breaking their keyboards ?

.

.

.

.

Because they use a strongly typed language

#Devjoke



4



6



42



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Navigating Technical Interviews

bit.ly/react-online-summit



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Outline

Getting the interview

Preparing for the interview

After the interview



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PART 1: GETTING THE INTERVIEW

Photo by Amy Hirschi on Unsplash



Finding a job you like

Recruiters

Hiring managers

Personal referrals

Twitter

Job websites



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Resume tips

Get resume proof-read

Tailor for each job

Check for typos

Give quantitative analysis

- increased performance by 2s



Interview Rounds

Initial screening call (Recruiter / Manager)

Phone Screen 1 - 2

On-site interviews 4 - 5



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Initial screening call

usually behavioral
typically about past experience
be prepared to answer why you are looking for a new role



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Technical Screening round(s)

usually on a collaborative tool like collabedit

Whiteboarding style questions

45min - 1 hour

be prepared to ask the interviewer questions



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On-site Interview rounds

1 hour

Whiteboard style questions

Collabedit during COVID

back to back with 5 - 10 min break

have unique questions for each interviewer



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Sample questions to ask

Q: What parts of your job do you find the most exciting?

Q: What are some challenges someone in this role would encounter?

Q: What has been your most significant contribution since you joined?



PART 2: PREPARING FOR THE INTERVIEW

Photo by Siora Photography on Unsplash



GIVE YOURSELF
SUFFICIENT TIME TO
PREPARE

Fundamentals

Data Structures and Algorithms

Review Data Structures & Algorithms

Arrays

Queues

Linked Lists

Strings

Stacks

Heaps

Trees

Graphs

Hash Maps

Searching

Sorting

Tree Traversals

DFS

BFS

Dynamic Programming

Greedy Algorithms

Time and space complexity



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Review Data Structures & Algorithms

Arrays

Queues

Linked Lists

Strings

Stacks

Heaps

Trees

Graphs

Hash Maps

Searching

Sorting

Tree Traversals

DFS

BFS

Dynamic Programming

Greedy Algorithms

Time and space complexity



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Front end concepts - HTML

DOM Manipulation

Semantic markup

querySelectorAll
querySelector
getElementbyId

Article
Section



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Front end concepts - CSS

Animations

Pseudo classes

Naming conventions

Styling components



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Front end concepts – JS

Prototypal inheritance

Scoping

Closures

The event loop

Event bubbling

Apply, call, and bind

Callbacks and promises

Variable and function hoisting

Currying



Front end concepts - Web

CORS

How do browsers work?

HTTP status codes

Critical rendering path

Image optimizations

Security

Prefetching and preloading
resources



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Practice questions

Leetcode

Interviewcake

Hackerrank

Glassdoor



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Category - All



Algorithms



Database



Shell



Concurrency

0/1506 Solved

Easy 0

Medium 0

Hard 0

Pick

Search question titles, description or IDs



Difficulty ▾

Status ▾

Lists ▾

#	Title	Solution	Acceptance	Difficulty	Fre
1480	Running Sum of 1d Array		91.5%	Easy	
1119	Remove Vowels from a String 🔒		89.6%	Easy	
1350	Students With Invalid Departments 🔒		89.1%	Easy	
1470	Shuffle the Array		89.0%	Easy	
1431	Kids With the Greatest Number of Candies		88.7%	Easy	
1108	Defanging an IP Address		87.2%	Easy	
1303	Find the Team Size 🔒		87.1%	Easy	
1378	Replace Employee ID With The Unique Identifier 🔒		86.7%	Easy	
1342	Number of Steps to Reduce a Number to Zero		86.6%	Easy	
771	Jewels and Stones		86.2%	Easy	
1486	XOR Operation in an Array		86.0%	Easy	

Quality > Quantity

Practice interviewing - pramp.com

Ready for real interviews? Skip straight to final interviews with Triplebyte. [Start Now](#)

NEW PRACTICE INTERVIEW



Data Structures and
Algorithms



Behavioral
NEW



System Design
NEW



Frontend
NEW



Applied Data Science
NEW



Practice with a
Friend

What would you like to practice?

Resources

1. <https://davidshariff.com/blog/preparing-for-a-front-end-web-development-interview-in-2017/>
2. <https://javascript.info/>
3. <https://github.com/yangshun/front-end-interview-handbook>
4. <https://yangshun.github.io/tech-interview-handbook/cheatsheet/>
5. <https://www.educative.io/courses/coderust-hacking-the-coding-interview>

Slides: bit.ly/react-online-summit



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Personal experience

- DOM Manipulation
- Animating objects
- Calling API and building a small app
- Event emitters
- Implement counter
- String manipulation
- Searching for items in a matrix



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Cheat sheet I use

The screenshot shows a GitHub repository page for `shrutikapoor08 / learning-front-end`. The repository has 1 unwatched star and 5 forks. The `Cheatsheet.MD` file is displayed, which contains a section titled **Cheatsheet** and a subsection titled **DOM selectors**. The **DOM selectors** section lists the following methods:

- `document.querySelector()`
- `document.querySelectorAll()`
- `document.getElementById()`
- `document.createElement(tagName)`
- `document.getElementsByTagName(tagName)`
- `document.createTextNode("text")`
- `addEventListener(event, callback)`
- `getAttribute()`

github.com/shrutikapoor08/learning-front-end

PART 2B: DURING THE INTERVIEW

Photo by Christina @ wocintechchat.com on Unsplash



The non-coding part

“Tell me about your previous project, and what was your role in it”

Looking for -

1. Technical Details
2. Example of contributions
3. Communication skills



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The non-coding part

“The project was about XYZ and I helped design / implement ABC with technologies JavaScript, React and GraphQL. I learnt MNO during this experience.”

- shows you can communicate in technical details
- shows you understand the project goals and scope
- shows you can learn and implement



**NEVER BAD MOUTH YOUR
TEAMMATES / BOSS /
COMPANY / TECHNOLOGY**



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Technical question

“We are going to design a tic-tac-toe game. Let’s consider this a real world scenario where you and I are teammates. What I am looking to see here is how you think, and how you break down a problem”



Example question

- Clarify if this needs a microscopic vision (implementation of functions)
Or a 10,000 feet view (system-design)
- Reiterate the problem statement
- Break the problem down
- Ask clarifying questions
- State assumptions early on
- Walk through your algorithm before implementing
- Ask if brute force is okay before optimizing
- Code > Optimized ideas



PART 3: AFTER THE INTERVIEW

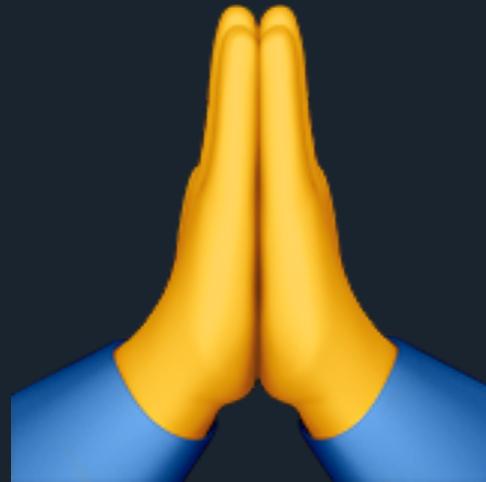


IT'S DONE!

makeamerica.com

+

Thank the interviewer



Apply for more





**It is a journey.
Don't let hurdles stop
you.**



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A dark gray background featuring a network graph composed of numerous black dots connected by thin gray lines. In the top left corner, there are two overlapping circles: one blue with horizontal stripes and one pink with vertical stripes. A small red and blue crosshair is located in the top right corner. A vertical blue line and a horizontal red line intersect at the bottom left corner.

**Job hunting is about luck
and right timing**



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[Code](#)[Issues](#)[Pull requests](#)[Actions](#)[Projects](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)[master](#) 1 branch[0 tags](#)[Go to file](#)[Add file](#) [Code](#) 

shrutikapoor08 Merge pull request #35 from AhamedR/master ...

aab00af 17 days ago 98 commits

[README.MD](#)

Merge branch 'master' into master

17 days ago

README.MD

Please add your info to the bottom of the table in an empty row in markdown format. Here are the steps -

1. Click on "Fork" on the top right corner.
2. Open README.MD and edit file.
3. Copy blank | | | | | | line at the bottom.
4. Add your info.
5. Commit.
6. Submit a pull request.

Name	Role	Location	Skills
Chiranjiv	Product Manager/Project Manager	Arizona, California, Washington	Product Management
Kate Efimova	Software Engineer	Bay Area, CA	GO/TypeScript/Node.js/React/Redux
	ReactJS/React		ReactJS, React Native, JavaScript, TypeScript,

bit.ly/react-online-summit



Shruti Kapoor @shrutikapoor08 · Aug 30

Heads up! I am declaring bankruptcy.

.

.

.

var bankrupt;

#DevJoke

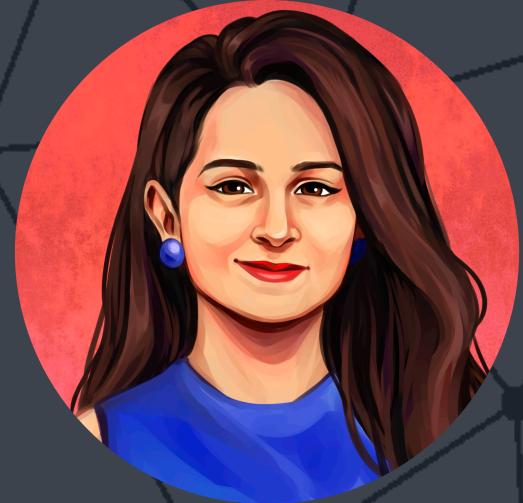
84

142

1.3K

↑

||



THANK YOU

Twitter: @shrutikapoor08

Slides: bit.ly/react-online-summit

