General info

1. Name (It will be only used for the private records of the authors and will remain anonymous
    to the public audience)

    _____

2. 1. How much experience do you have in web development? *

    ( ) Less than a year
    ( ) 1 - 3 years
    ( ) 3 - 5 years
    ( ) 5 - 10 years
    ( ) More than 10 years

3.   2. Select the role that fits you best? *

( ) Full-stack developer

( ) Front-end developer

( ) Back-end developer

( ) Mobile developer

( ) Database expert

( ) Other: _____

4.   3. Which of the following stacks have you had experience with? *

[ ] JAMstack
[ ] LAMP
[ ] MEAN
[ ] MERN
Other: [ ] _____

5.   4. How much experience do you have in JAMstack? *

( ) Less than a year

( ) 1 - 3 years

( ) More than 3 years

6.   5. How much experience do you have in traditional stacks (LAMP/MEAN/MERN)? *

◯ Less than a year

◯ 1 - 3 years

◯ More than 3 years

7.   6. To which of the following stacks are you leaning towards? (3 - neutral) *

	1	2	3	4	5	
JAMstack	◯	◯	◯	◯	◯	Traditional stacks (LAMP/MEAN/MERN)

8.   7. Which of the following APIs and tools have you heard of and find useful for JAMstack? *

☐ Algolia
☐ Auth0
☐ Netlify Forms
☐ Snipcart
☐ Stripe
☐ Strapi
☐ GraphQL
☐ FaunaDB

9.   8. Are there any APIs or tools for JAMstack that you would particularly point out?

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_____

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Select value depending on how much do you agree or disagree with following claims:

9. JAMstack benefits

10.   Performance - With static pages delivered through CDN the loading speed of the JAMsta
      website usually achieves the highest possible score on speed tests. There are three aspe
      that are usually used as metrics of website speed and they are: LCP (largest contentful
      paint), FID (first input delay), CLS (cumulative layout shift). *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

11.   Security – Thanks to the static storage or CDN that serves your application, APIs that are
      read-only and accessible exclusively for building environment, attacks can be reduced to
      minimum if not even removed completely. Since the layer has no database, sites are not
      vulnerable to server-side include injections. Besides, the use of external platforms such a
      Netlify can provide protection against DDOS and DNS attacks. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

12.   Flexibility - JAMstack uses third-party services more known as headless CMS for managir content on the website. Since headless CMS are separated from the front-end of the website it means that the API that is created with headless CMS can be used and easily displayed across multiple platforms. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

13.   Pricing - The whole JAMstack website requires a small amount of resources and can be hosted on CDN using some free static hosting like Netlify or GitHub Pages which will reduce the cost. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

14.   SEO - JAMstack page content is static which means that the speed of the website will be fast and indexing the pages of the website will be a lot easier in comparison with other we stacks which are the two most important factors for a good ranking on the internet. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

15. Developer experience - JAMstack developers have more freedom in choosing the technologies they will use in accordance with their knowledge, wishes and needs unlike other web stacks. The fact that front-end is separated from the backend makes develope experience far more enjoyable and easier because they can focus on one thing. Since JAMstack is static, all files can be stored on GitHub, Netlify or Vercel which makes the deployment easy and what matters to many, all for free. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

Select value depending on how much do you agree or disagree with following claims:

10. JAMstack Limitations

16. Dynamic functionalities - While JAMstack can be dynamic it is usually harder to implemen some dynamic functionality and it mostly requires relying on third-party services for addi more complex features (For example if you want to have search on your website you can' do it on your own. You will need to use Algolia or other third-party service). *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

17.   Delay in live preview - Before seeing the actual changes on the website, everything needs
        to be pushed on Github. This can cause frequent delays especially when it comes to very
        dynamic sites that need constant changing of the content. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

Reliance on third-party systems

Since JAMstack does not have a database or its server and all APIs are hosted by a third-party, application is coming out with the following risks:

18.   Availability - In case the system goes down, your website will feel the consequences
        because there is no communication with the API. Whether a solution will be reached and
        the system will function again, is out of your hands and depends entirely on the provider.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

19.   Confidentiality - Entrusting all content to a third-party is the risk that confidential content
        could be disclosed. *

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

20.   11. Did you encounter any other limitations or benefits that are not already listed while usi
JAMstack? Please describe them.

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_____

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12. In your experience with JAMstack and traditional stacks, for which kind of site one would
be a more suitable option than the other? (3 - neutral)

21.   Blog and Portfolio *

	1	2	3	4	5	
JAMstack	◯	◯	◯	◯	◯	Traditional stacks

22.   E-commerce *

	1	2	3	4	5	
JAMstack	◯	◯	◯	◯	◯	Traditional stacks

23.   Social media *

	1	2	3	4	5	
JAMstack	◯	◯	◯	◯	◯	Traditional stacks

24.   News and Magazine *

	1	2	3	4	5	
JAMstack	◯	◯	◯	◯	◯	Traditional stacks

25.   Media streaming *

	1	2	3	4	5	
JAMstack	◯	◯	◯	◯	◯	Traditional stacks

Anything to add?

26.   13. What would you list as the advantage of traditional stacks (LAMP, MEAN, MERN) over JAMstack? Please explain.

27.   14. In your experience so far, do you think JAMstack will be able to overcome other web stacks in the future and become de facto standard? Please elaborate your answer. *

	1	2	3	4	5	
Not at all	◯	◯	◯	◯	◯	Definitely

28.   Please explain your previous answer

_____

_____

_____

_____

29.   Rate the survey

	1	2	3	4	5	
Very bad	◯	◯	◯	◯	◯	Very good

30.   Comments or suggestions about the survey

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