

# How to create a portfolio using React?

## Pre-requisites:

1. Install npm. Follow the instructions on this link:

<https://www.npmjs.com/get-npm>

2. AWS Account. Free Tier for 12 Months.

3. Optional:

An IDE to work on this project.

## Let's Start!

1. Download the portfolio template in your working folder (in your computer).
2. Open the portfolio folder, and Run command: `npm start`
3. A template of a web portfolio will be hosted in your localhost.
4. Open the portfolio folder in an Integrated Development Environment (IDE).
5. Have your head shot picture ready!
6. Go to images folder and replace `headshot.jpg` with your `headshot.jpg`.
7. Open `src` folder, and then `components` -> `sidebar.jsx`

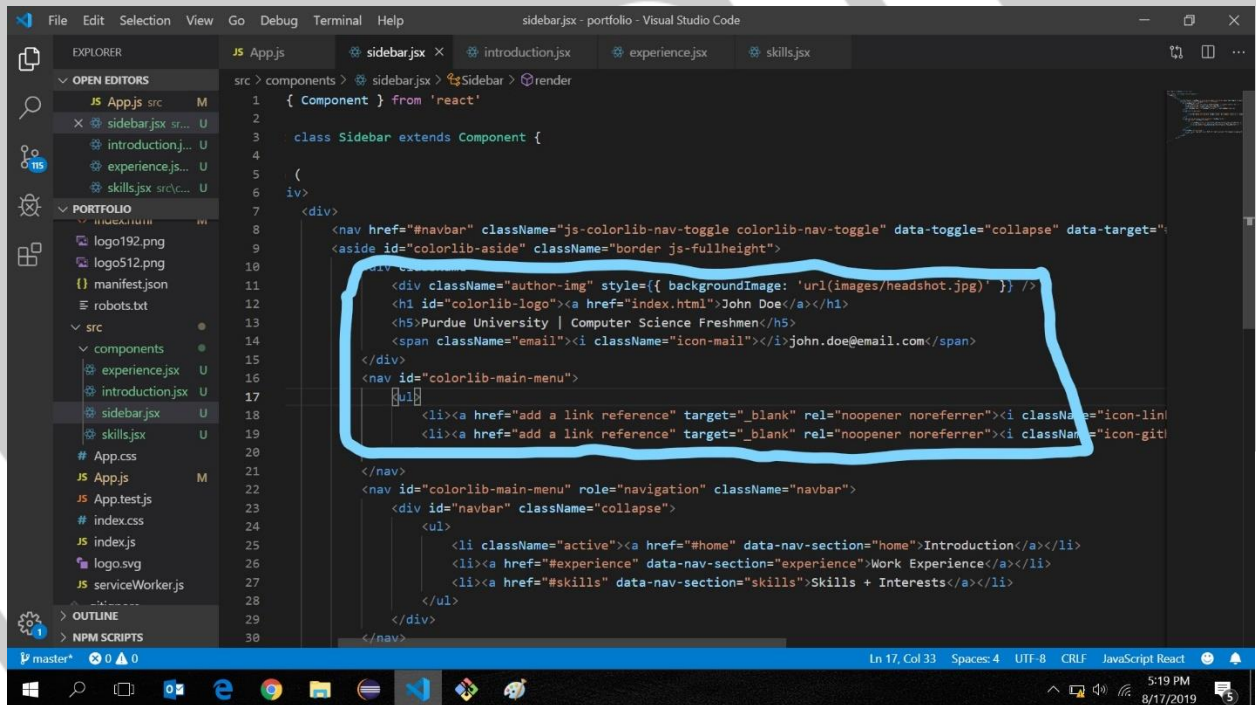
*Author:* Saugat Adhikari

*Portfolio:* [www.saugat-adhikari.ga](http://www.saugat-adhikari.ga)

*GitHub:* <https://github.com/isauadh/web-portfolio>

*Reference:* <https://colorlib.com/>

## 8. Change the highlighted items with your details!



9. Delete “add a link reference” and put the link to your LinkedIn profile in the first one and GitHub profile in the second one. If you don’t have one, please ignore.

10.Refresh your template web portfolio hosted on localhost to see the changes.

11. Similarly, go to components -> introduction.jsx.

12. Have another picture of you with a light background ready! (If you don't have it right now, remember you can change it later!)

13.Go to images, drop your image here.

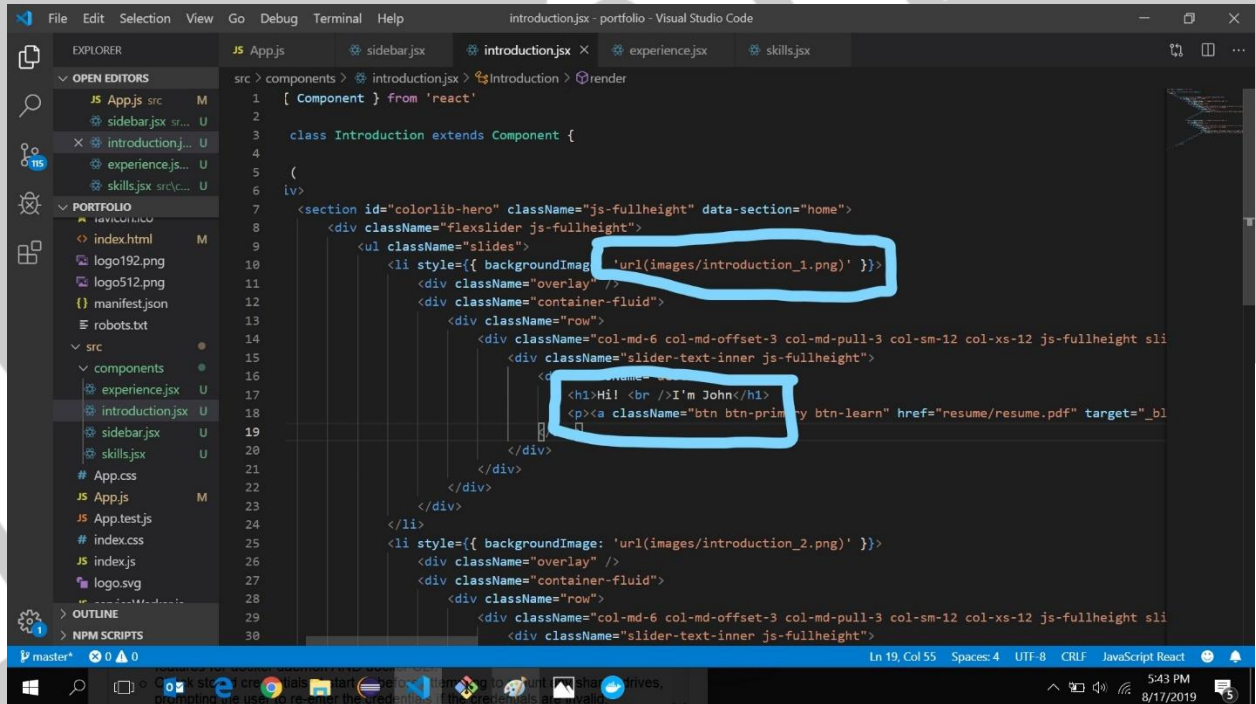
**Author:** Saugat Adhikari

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14. Change the url: images/introduction\_1.png with url:  
images/your\_image\_name.ext.



15. Change I'm John with your desired name.

16. If you have a pdf/docx resume of yours, then drop your resume.pdf under  
resume folder. (If you didn't replace it, then you don't have to do anything.

If you did, then change the href: "resume/resume.pdf" with href:

"resume/your\_resume.ext"

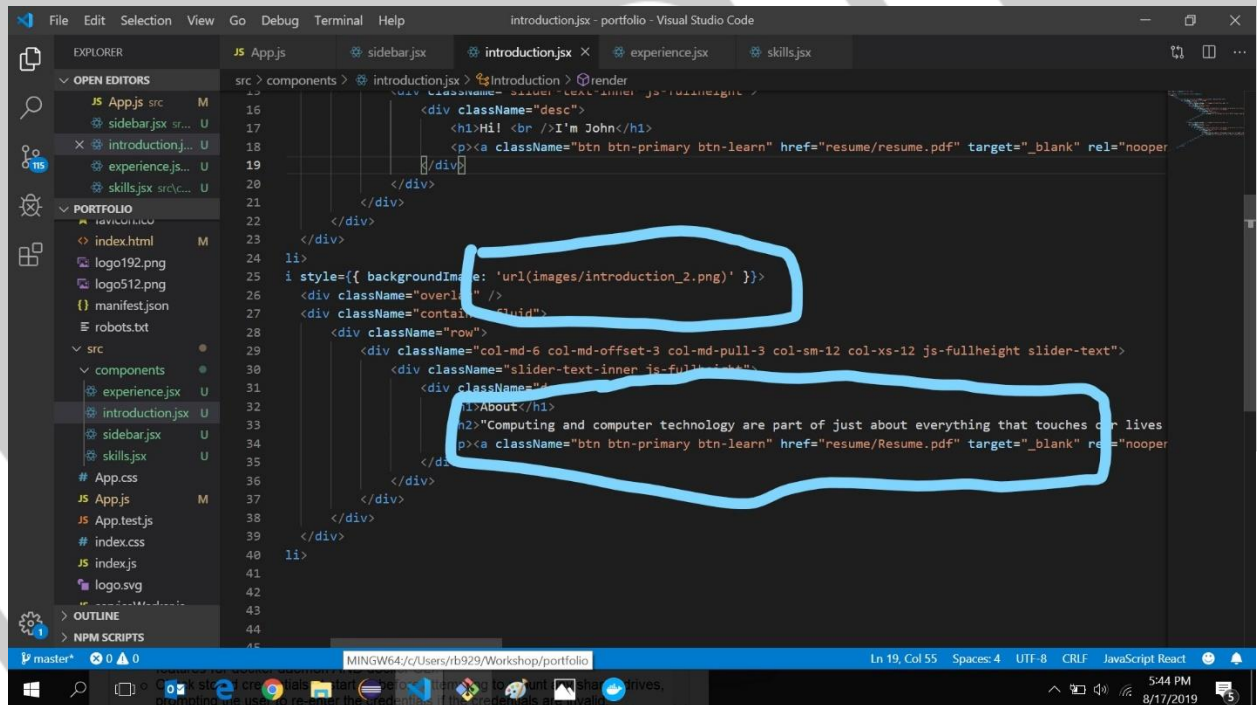
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**Reference:** <https://colorlib.com/>

17. Change the `<h2></h2>` tag with something interesting about yourself.



```
16 <div className="desc">
17   <h1>Hi! <br />I'm John</h1>
18   <p><a className="btn btn-primary btn-learn" href="resume/resume.pdf" target="_blank" rel="noopener"
19     </p>
20 </div>
21 </div>
22 </div>
23 </div>
24 <li>
25   <i style={{ backgroundImage: 'url(images/introduction_2.png)' }}>
26     <div className="overl" />
27     <div className="contain" fluid>
28       <div className="row">
29         <div className="col-md-6 col-md-offset-3 col-md-pull-3 col-sm-12 col-xs-12 js-fullheight slider-text">
30           <div className="slider-text-inner is-fullheight">
31             <div className="h1">
32               <h1>About</h1>
33               <h2>"Computing and computer technology are part of just about everything that touches our lives"
34             </h2>
35             <p><a className="btn btn-primary btn-learn" href="resume/Resume.pdf" target="_blank" rel="noopener"
36           </p>
37         </div>
38       </div>
39     </div>
40 </li>
41 </div>
42 </div>
43 </div>
44 </div>
45 </div>
```

18. Refresh your template web portfolio hosted on localhost to see the changes.

19. Go to components -> experience.jsx.

20. Change the highlighted `<h2></h2>`, `<i></i>`, and `<li></li>` tags with your information.



```
File Edit Selection View Go Debug Terminal Help experience.jsx - portfolio - Visual Studio Code
EXPLORER JS App.js src M
OPEN EDITORS src > components > experience.jsx > Experience > @render
JS App.js src M
sidebar.jsx src... U
introduction.jsx... U
experience.jsx... U
skills.jsx src... U
PORTFOLIO
favicon.ico
index.html M
logo192.png
logo512.png
manifest.json
robots.txt
src
components
experience.jsx U
introduction.jsx U
sidebar.jsx U
skills.jsx U
App.css
App.js M
App.test.js
index.css
index.js
OUTLINE
NPM SCRIPTS
master* 0 0
Ln 40, Col 51 Spaces: 4 UTF-8 CRLF JavaScript React
5:45 PM 8/17/2019
```

```
<div className="col-md-12">
  <div className="timeline-centered">
    <article className="timeline-entry animate-box" data-animate-effect="fadeInTop">
      <div className="timeline-entry-inner">
        <div className="timeline-icon color-4">
          <i className="icon-pen2">
            <div className="timeline-label">
              <h2>Purdue University <span>Aug 2019 - Present</span></h2>
              <h4><i>Undergraduate researcher </i><i>CS Department</i></h4>
              <li>Assit Professor Mclovin with his research</li>
            </div>
          </div>
        </div>
      </div>
    </article>
    <article className="timeline-entry animate-box" data-animate-effect="fadeInLeft">
      <div className="timeline-entry-inner">
        <div className="timeline-icon color-3">
          <i className="icon-pen2">
            <div className="timeline-label">
              <h2>American Eagle <span>May 2019 - Aug 2019</span></h2>
              <h4><i>Sales Associate</i></h4>
              <li>Collaborated with the store merchandiser creating displays to attract cli
              <li>Use my trend awareness to assist customers in their shopping experience</li>
            </div>
          </div>
        </div>
      </div>
    </article>
  </div>
</div>
```

```
File Edit Selection View Go Debug Terminal Help experience.jsx - portfolio - Visual Studio Code
EXPLORER JS App.js src M
OPEN EDITORS src > components > experience.jsx > Experience > @render
JS App.js src M
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introduction.jsx U
sidebar.jsx U
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App.css
App.js M
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OUTLINE
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Ln 40, Col 51 Spaces: 4 UTF-8 CRLF JavaScript React
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        </div>
      </div>
    </article>
    <article className="timeline-entry animate-box" data-animate-effect="fadeInLeft">
      <div className="timeline-entry-inner">
        <div className="timeline-icon color-3">
          <i className="icon-pen2">
            <div className="timeline-label">
              <h2>American Eagle <span>May 2019 - Aug 2019</span></h2>
              <h4><i>Sales Associate</i></h4>
              <li>Collaborated with the store merchandiser creating displays to attract clientele</li>
              <li>Use my trend awareness to assist customers in their shopping experience</li>
            </div>
          </div>
        </div>
      </div>
    </article>
    <article className="timeline-entry animate-box" data-animate-effect="fadeInBottom">
      <div className="timeline-entry-inner">
        <div className="timeline-icon color-none">
          <i className="icon-pen2">
            <div className="timeline-label">
              <h2>American Eagle <span>May 2019 - Aug 2019</span></h2>
              <h4><i>Sales Associate</i></h4>
              <li>Collaborated with the store merchandiser creating displays to attract clientele</li>
              <li>Use my trend awareness to assist customers in their shopping experience</li>
            </div>
          </div>
        </div>
      </div>
    </article>
  </div>
</div>
```

21.Refresh your template web portfolio hosted on localhost to see the changes.

22.Go to components -> skills.jsx.

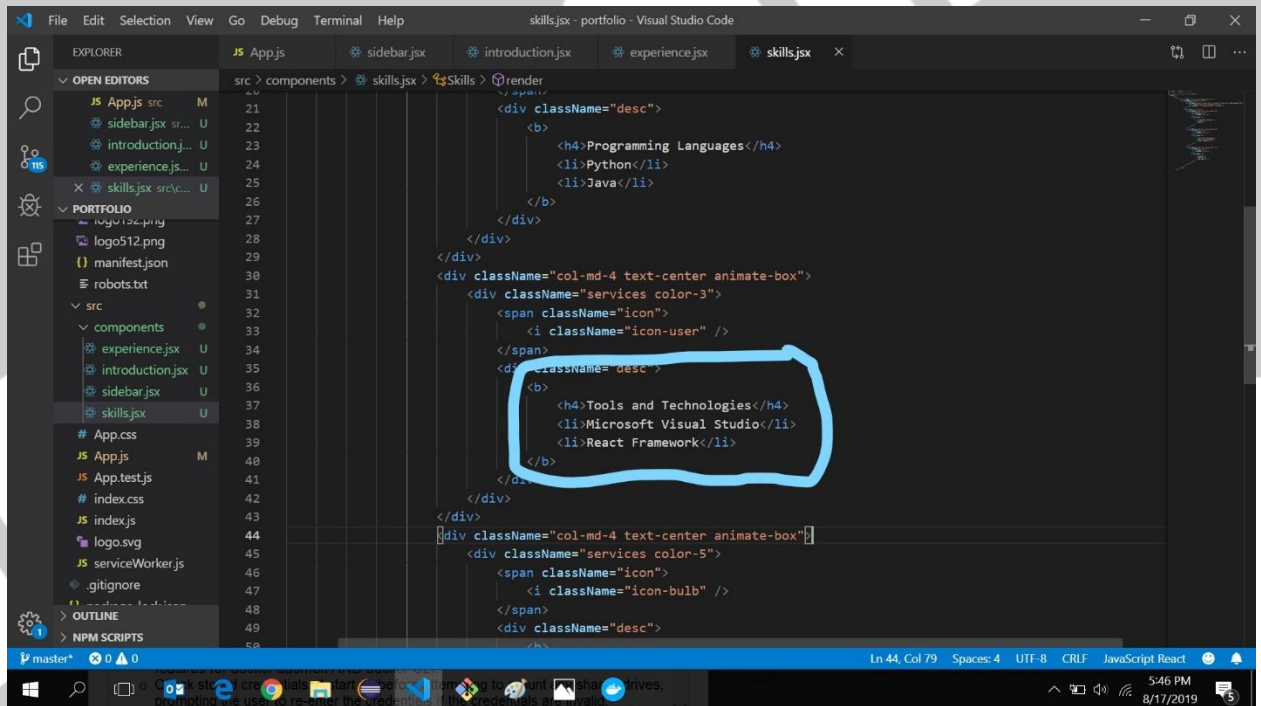
Author: Saugat Adhikari

Portfolio: [www.saugat-adhikari.ga](http://www.saugat-adhikari.ga)

GitHub: <https://github.com/isauadh/web-portfolio>

Reference: <https://colorlib.com/>

23. Similarly, Change `<h4></h4>` and `<li></li>` tags shown in the highlighted picture.



```
21 <div className="desc">
22   <b>
23     <h4>Programming Languages</h4>
24     <li>Python</li>
25     <li>Java</li>
26   </b>
27 </div>
28
29 </div>
30 <div className="col-md-4 text-center animate-box">
31   <div className="services color-3">
32     <span className="icon">
33       <i className="icon-user" />
34     </span>
35     <div className="desc">
36       <b>
37         <h4>Tools and Technologies</h4>
38         <li>Microsoft Visual Studio</li>
39         <li>React Framework</li>
40       </b>
41     </div>
42   </div>
43 </div>
44 <div className="col-md-4 text-center animate-box">
45   <div className="services color-5">
46     <span className="icon">
47       <i className="icon-bulb" />
48     </span>
49     <div className="desc">
```

```
1 import React, { Component } from 'react'
2
3 default class Skills extends Component {
4   render() {
5     return (
6       <div>
7         <section className="colorlib-about" data-section="skills">
8           <div className="colorlib-narrow-content">
9             <div className="row">
10               <div className="col-md-6 col-md-offset-3 col-md-pull-3 animate-box" data-animate-effect="fadeInLeft">
11                 <span className="heading-meta">my speciality</span>
12                 <h2 className="colorlib-heading">Skills + Interests</h2>
13               </div>
14             </div>
15             <div className="row row-pt-md">
16               <div className="col-md-4 text-center animate-box">
17                 <div className="services color-1">
18                   <span className="icon">
19                     <i className="icon-check" />
20                   </span>
21                   <div className="desc">
22                     <b>
23                       <h4>Programming Languages</h4>
24                       <li>Python</li>
25                       <li>Java</li>
26                     </b>
27                   </div>
28                 </div>
29               </div>
30             </div>
31           </div>
32         </section>
33       </div>
34     )
35   }
36 }
```

```
37
38 <h4>Tools and Technologies</h4>
39 <li>Microsoft Visual Studio</li>
40 <li>React Framework</li>
41 </li>
42 </div>
43 </div>
44 <div className="col-md-4 text-center animate-box">
45   <div className="services color-5">
46     <span className="icon">
47       <i className="icon-bulb" />
48     </span>
49     <div className="desc">
50       <b>
51         <h4>Hobbies</h4>
52         <li>Netflix</li>
53         <li>More Netflix</li>
54       </b>
55     </div>
56   </div>
57 </div>
58 </div>
59 </div>
60 </section>
61 </div>
62 )
63
64
65
```

24. Do not forget to save your changes!

25. Refresh the template web portfolio hosted in localhost.

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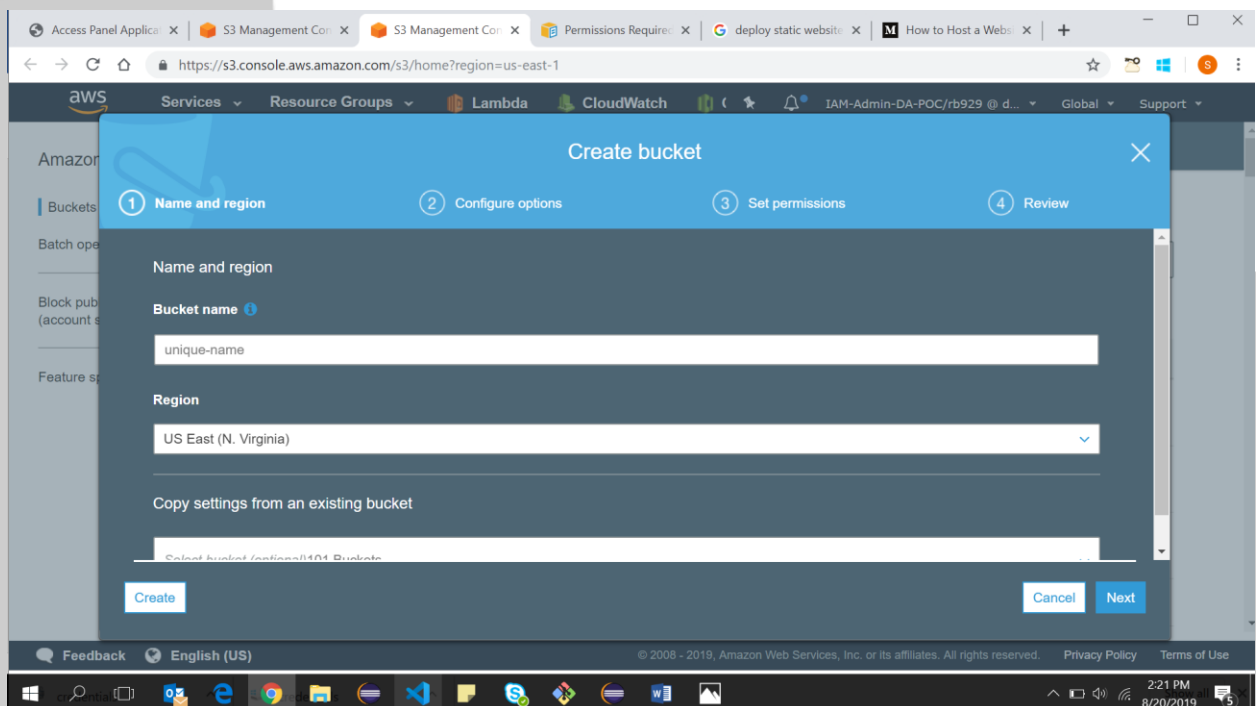
26. Voila! You have your own web portfolio now.

27. Time to get your build folder: Open a terminal with path pointed to portfolio folder; Run command: `npm build`

28. After this process is complete, you will see a build folder.

## Host your portfolio using Amazon S3

1. Open your Amazon AWS Account.
2. Click on Services, then Search S3.
3. Open Amazon S3.
4. Click on create bucket.



5. Enter the bucket name. Remember the bucket name must be unique globally.

**Author:** Saugat Adhikari

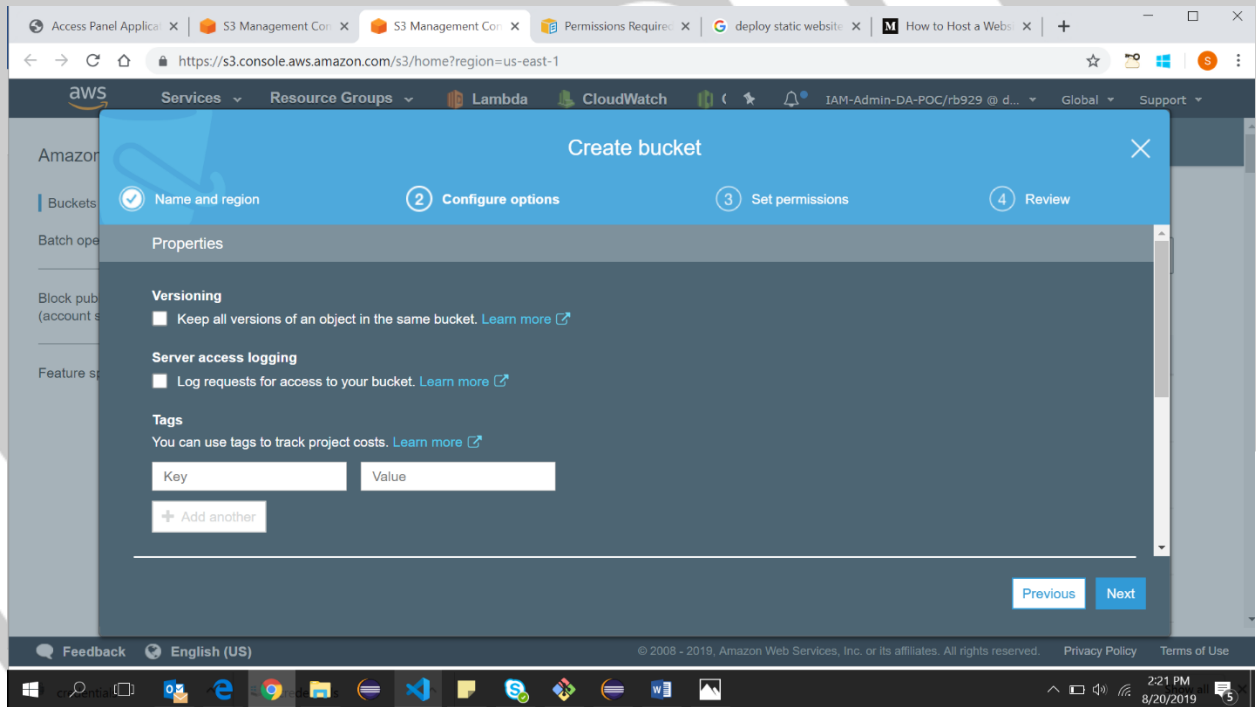
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6. Click on Next.



7. Click on Next again.

8. Now you are on Permissions page.

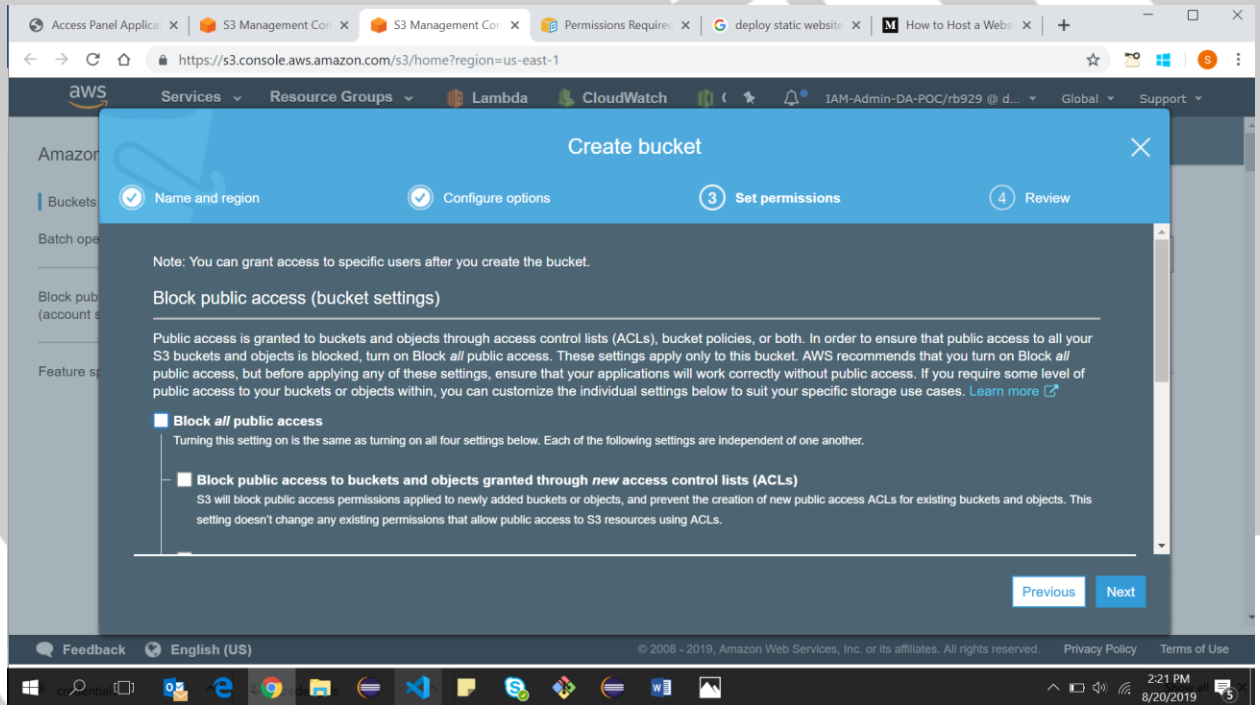
9. Unselect Block all Public Access.

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10. Click Next and Create bucket.

11. Select your bucket.

12. Click on Properties.

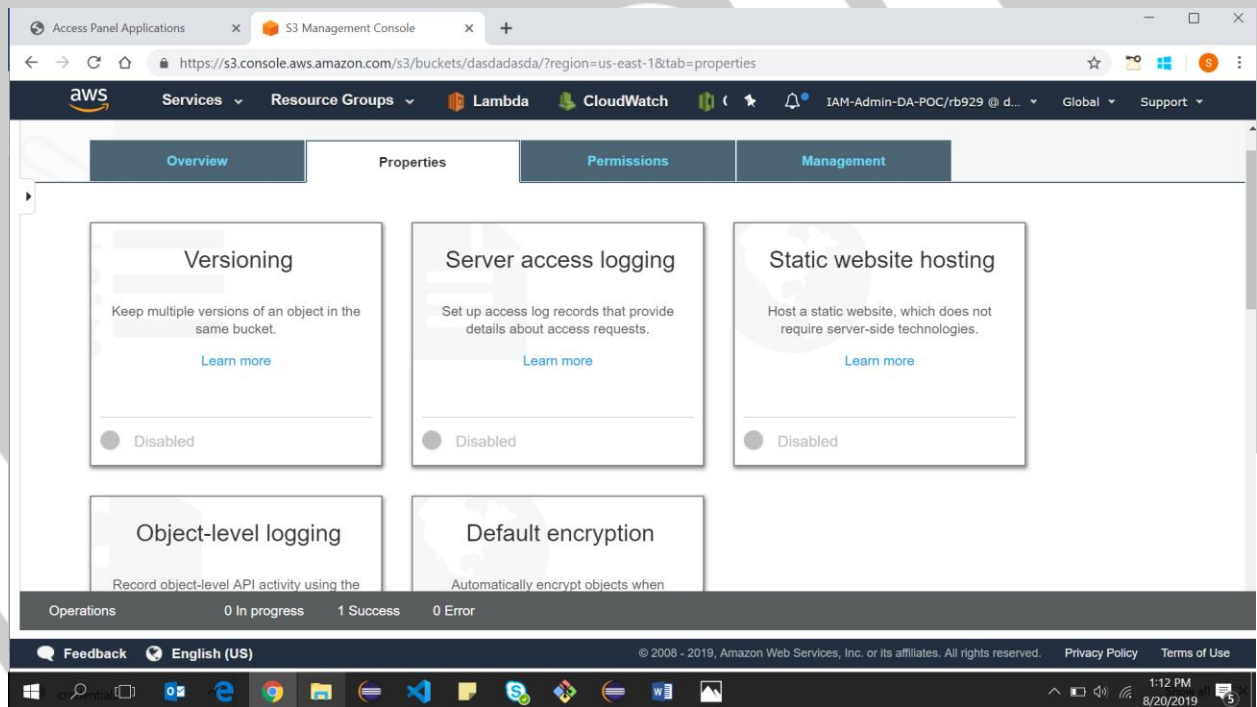
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**Reference:** <https://colorlib.com/>

13.It will take you to this page.



14.Click on Learn More under Static website hosting.

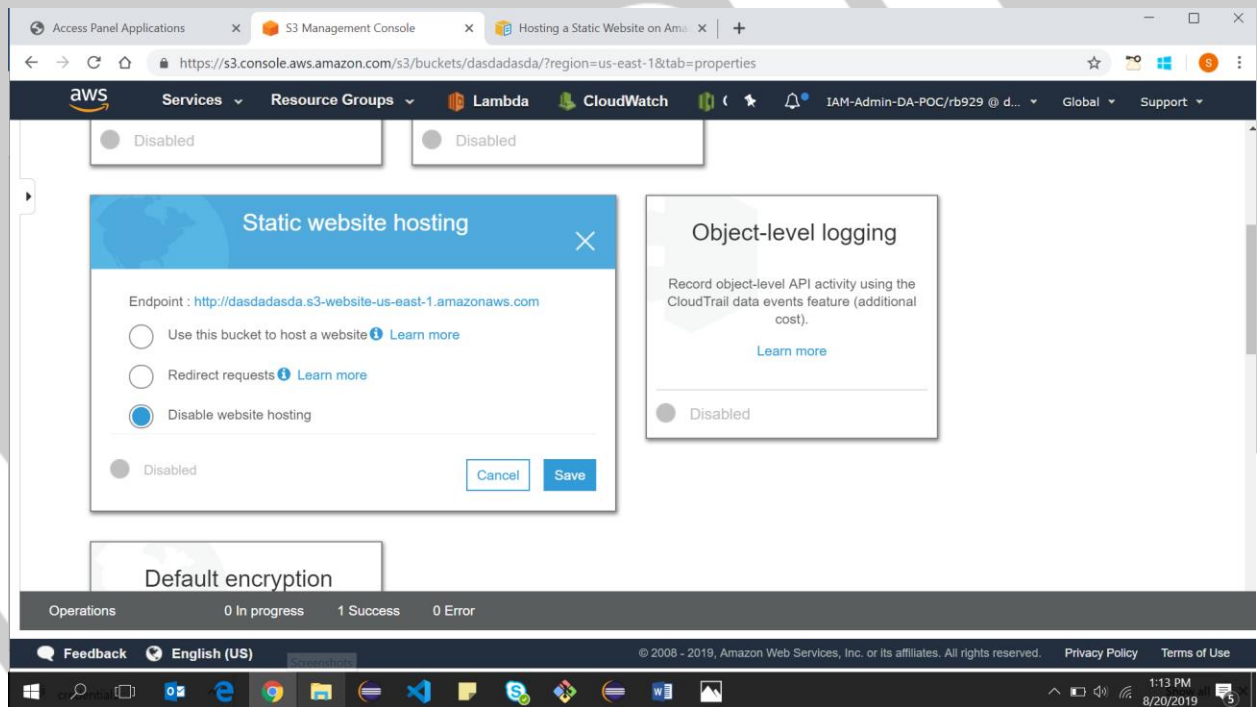
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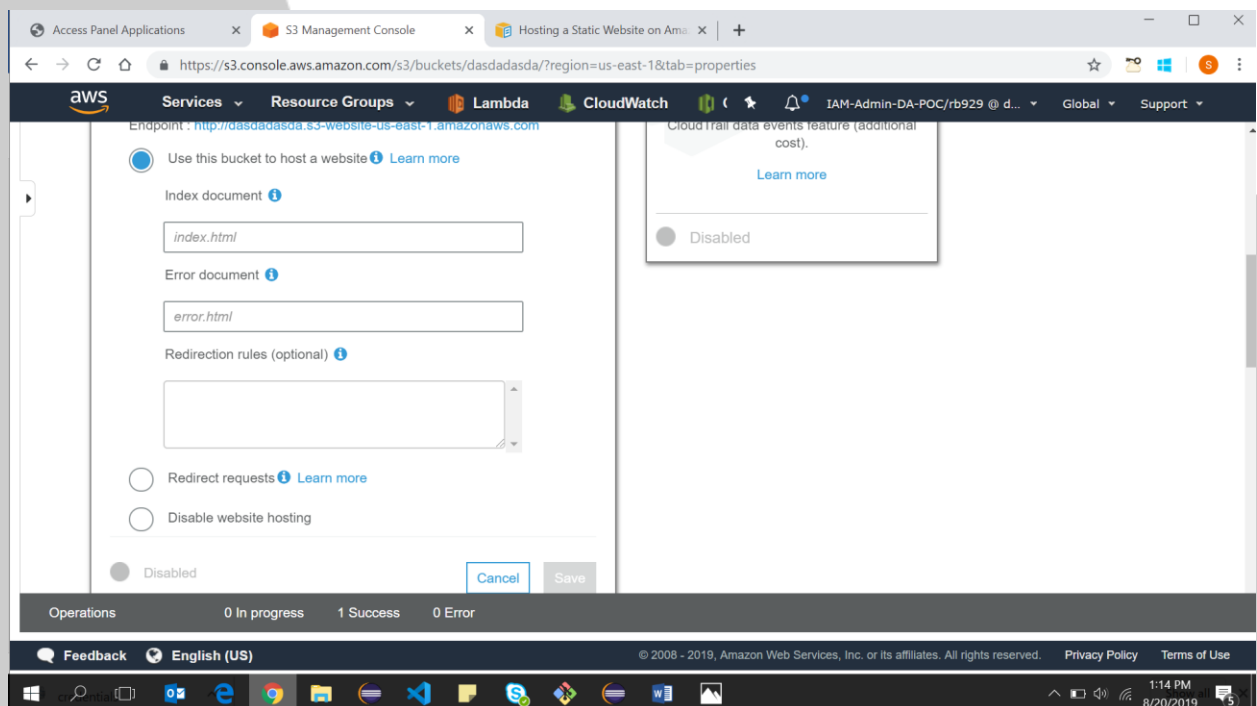
**GitHub:** <https://github.com/isauadh/web-portfolio>

**Reference:** <https://colorlib.com/>

15. It will open a new page. Go back to your original AWS page.



16. Select Use this bucket to host a website.



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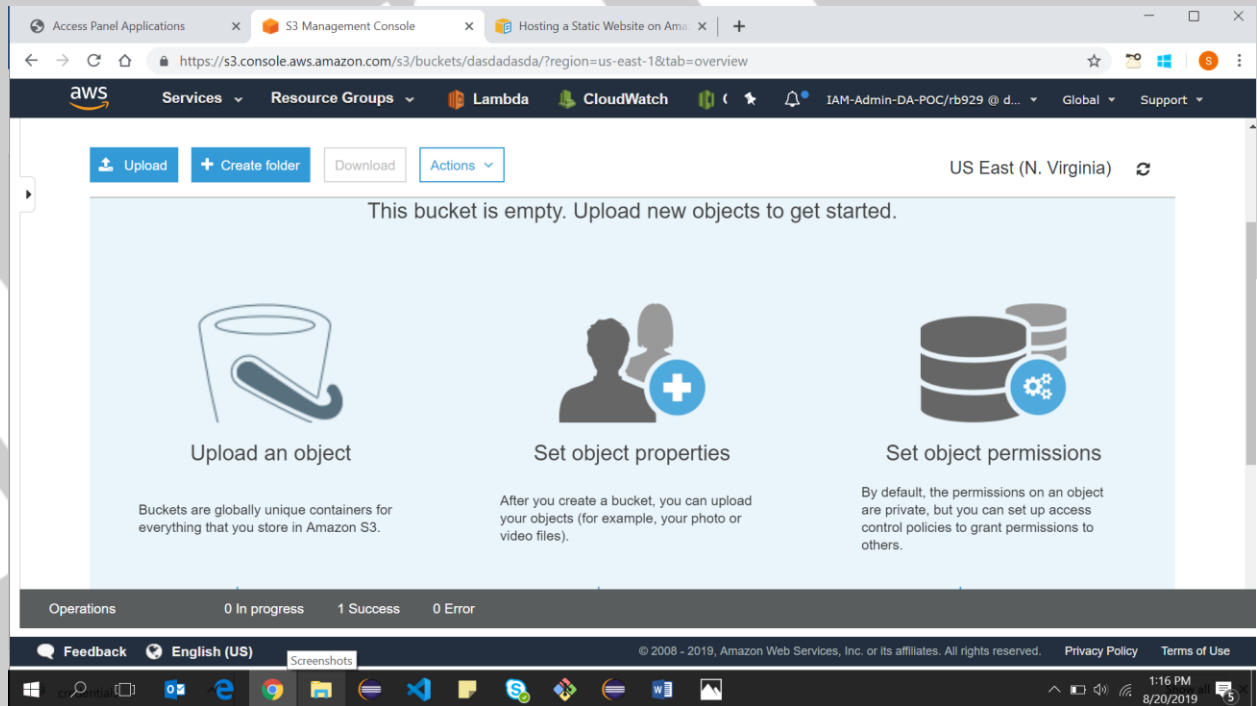
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17. Enter index.html inside both Index document and Error document and hit Save.

18. Go to S3 and open your bucket.



19. Scroll up, Click on Permissions Tab and then Bucket Policy.

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20. Copy & Paste bucket policy: (Remember to update the bucket name before pasting it.)

```
{  
  "Version": "2012-10-17",  
  "Statement": [{  
    "Sid": "PublicReadGetObject",  
    "Effect": "Allow",  
    "Principal": "*",  
    "Action": ["s3:GetObject"],  
    "Resource": ["arn:aws:s3:::example-bucket/*"]  
  }]  
}
```

21. Click on save.

22. Now go to your build folder inside portfolio and upload everything into your S3 bucket.

23. Click Next until you see Upload and then click upload.

24. Click on index.html and it gives you the public Object URL.

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25.Copy & Paste that link on your web browser.

26.Congratulations! You have hosted your static website on Amazon S3.

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