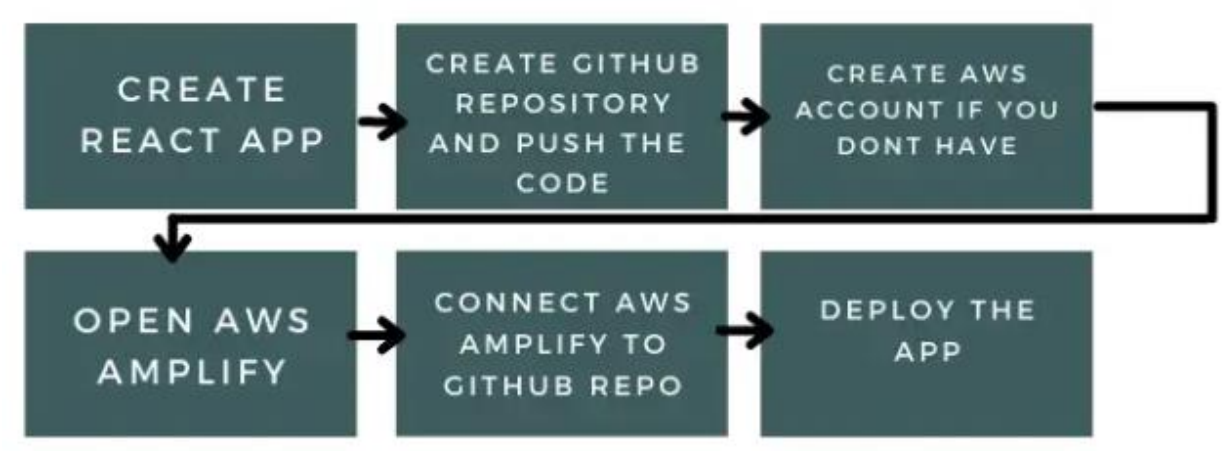
How to deploy a React Application on AWS Amplify

AWS Amplify is a set of tools and features that lets front-end web and mobile developers quickly and easily build full-stack applications on AWS, with the flexibility to leverage the breadth of AWS services as your use cases evolve. With Amplify, you can configure a web or mobile app backend, connect your app in minutes, visually build a web frontend UI, and easily manage app content outside the AWS console.

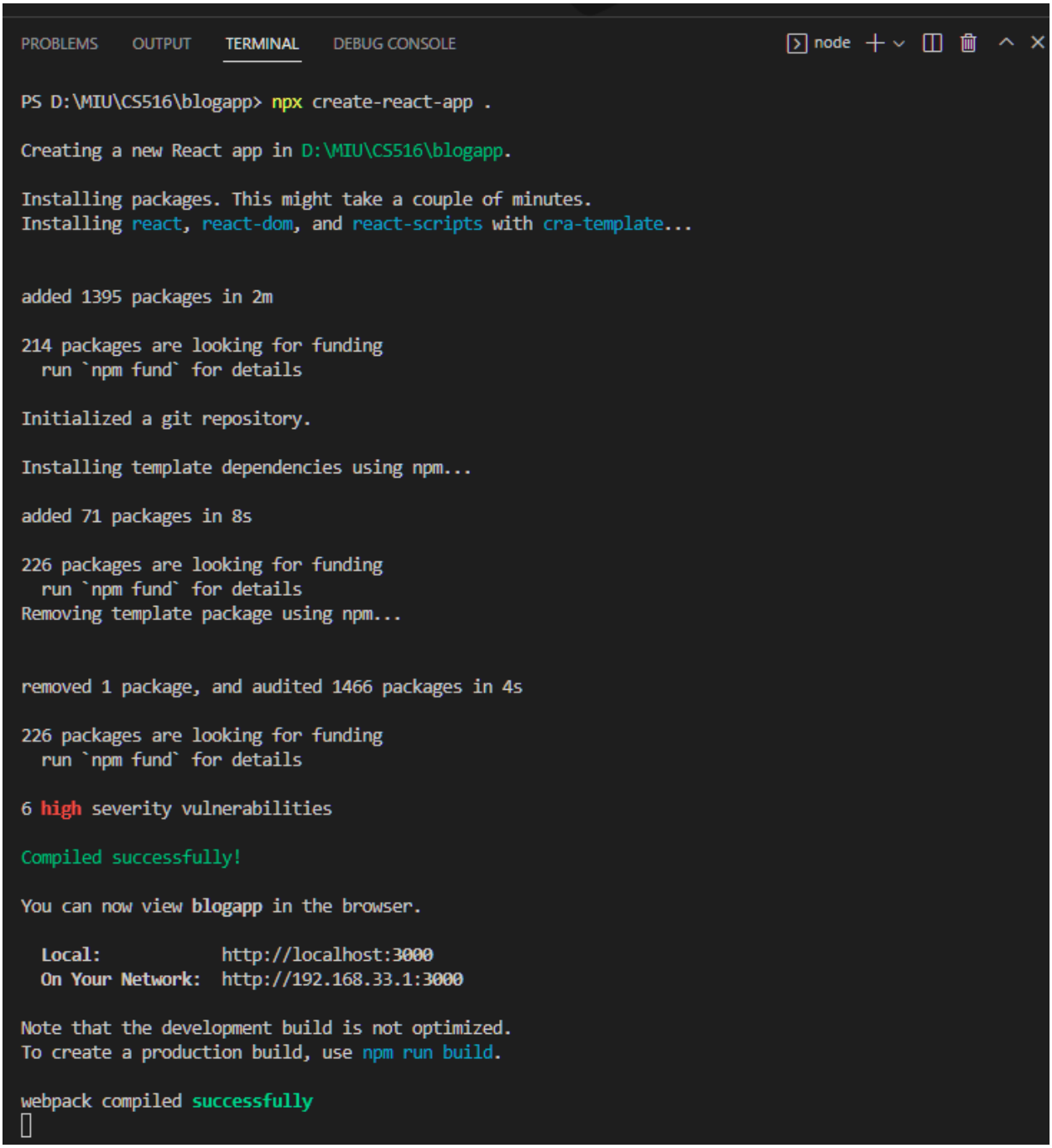
We will follow these steps to get our app deployed.



Step 1: **Create react app**

Make sure you have Nodejs installed in your machine.

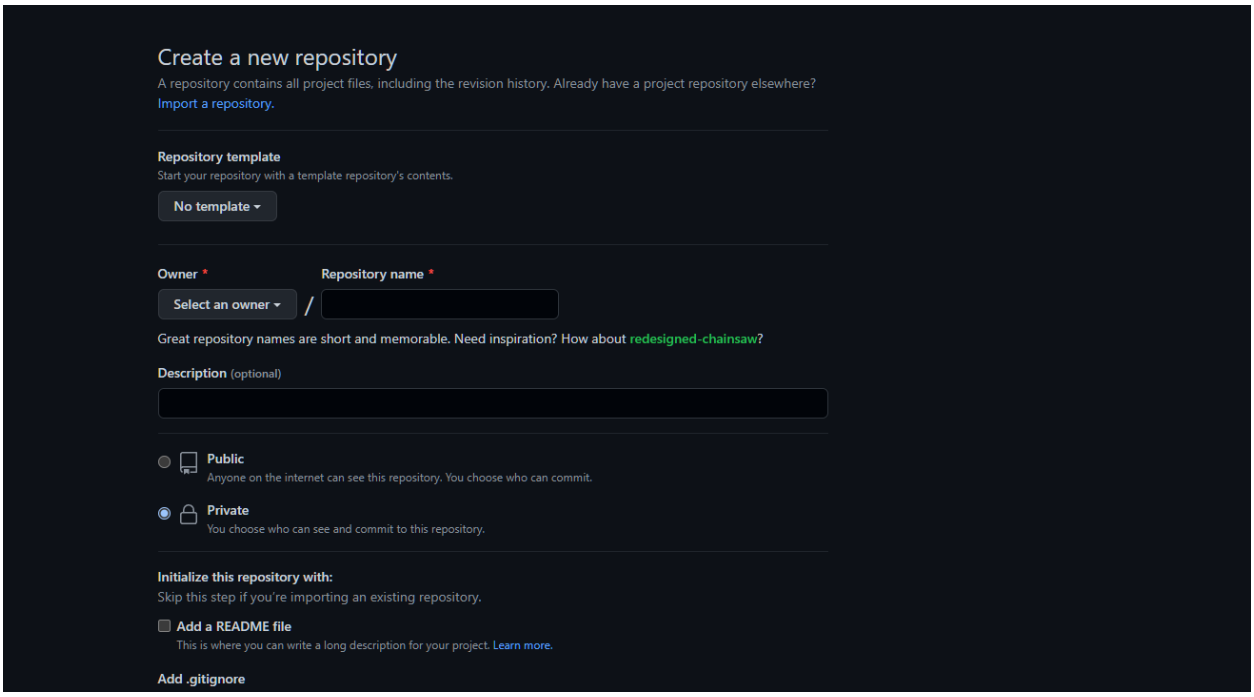
```
npx create-react-app react-aws-amplify
cd my-app
npm start
```



Our app is up and running. you can check by visiting http://localhost:3000

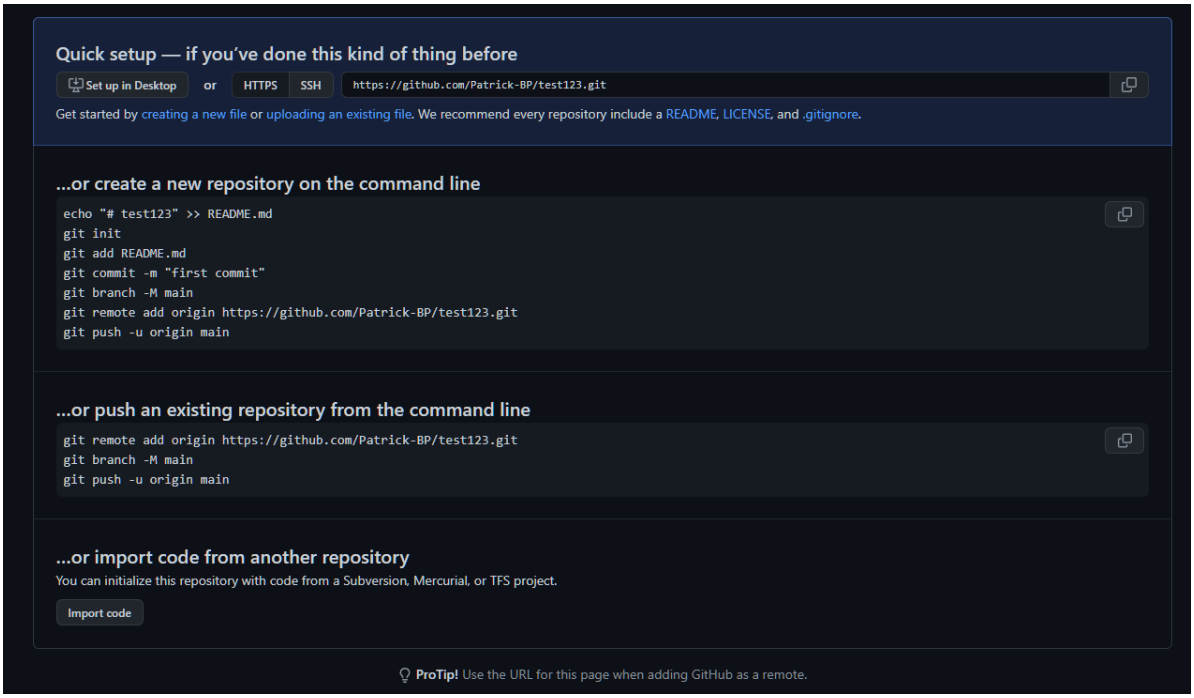
Step 2: Create GitHub repository

We need to hold our code somewhere in the cloud. We can use GitHub, GitLab, Bitbucket, AWS CodeCommit.



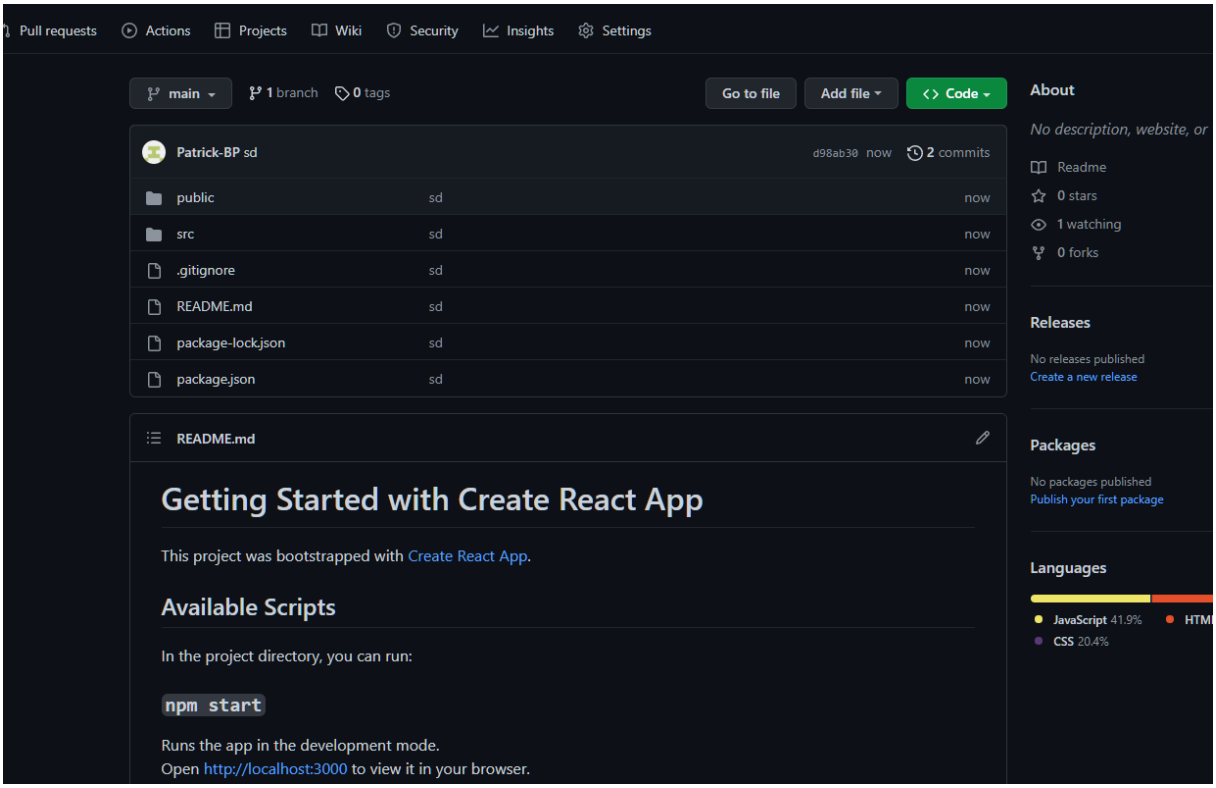
Step 3: **Pushing the code to the repo**

After creating the repo, you can copy all these lines.



Paste these lines of code in your terminal in your react app directory

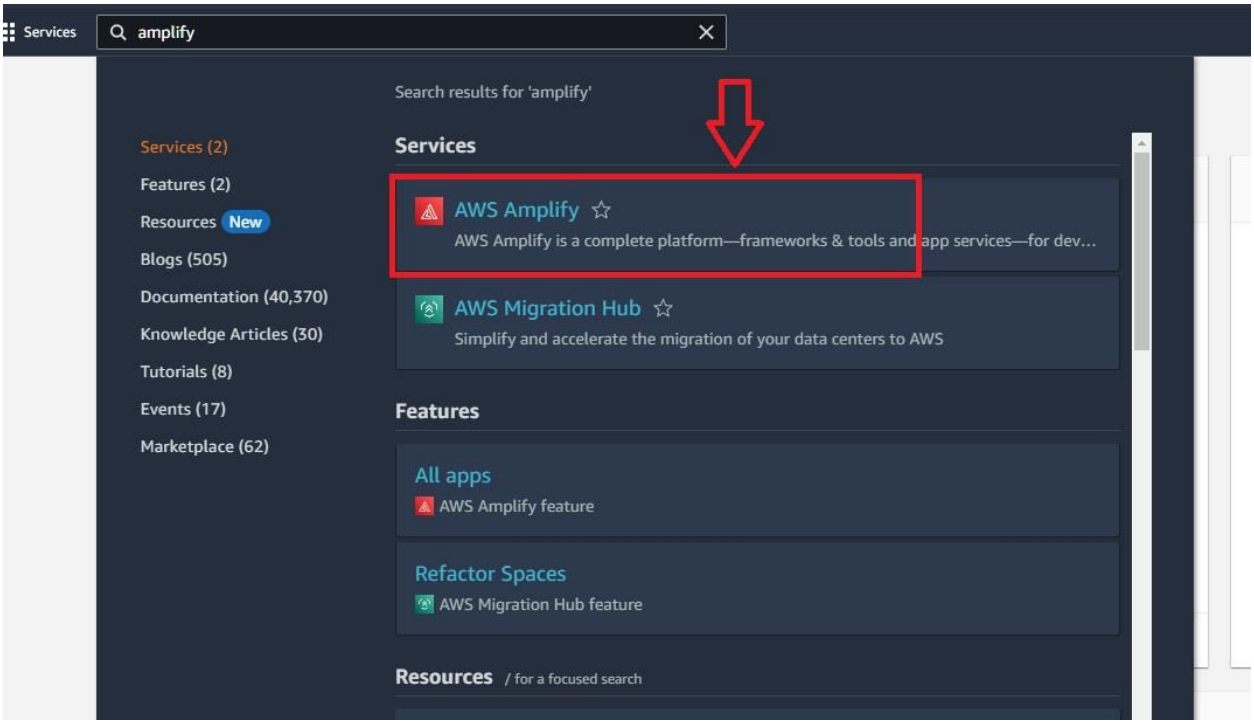
You have pushed your code to the GitHub repo. let's check



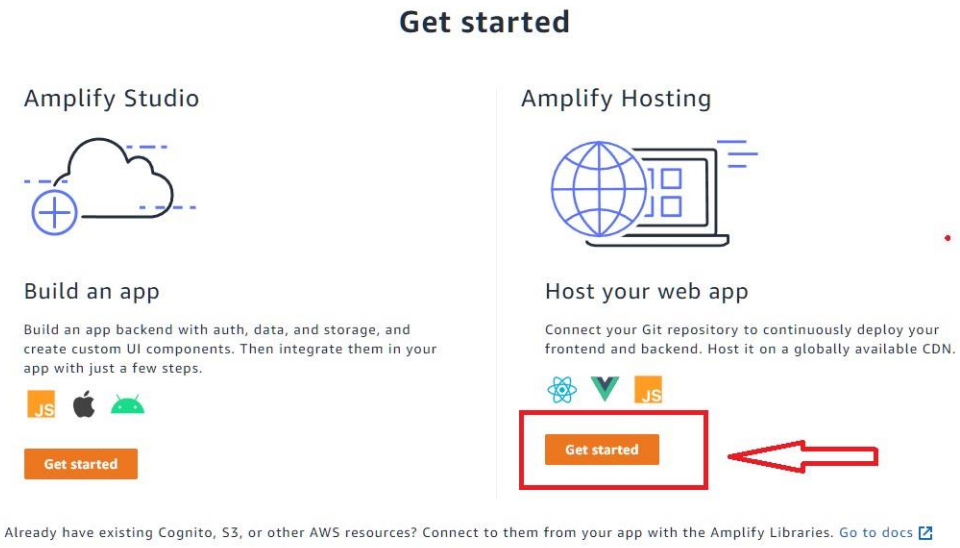
Now we have a repo that contains our code.

Step4: **Deploy our app on AWS using Amplify**

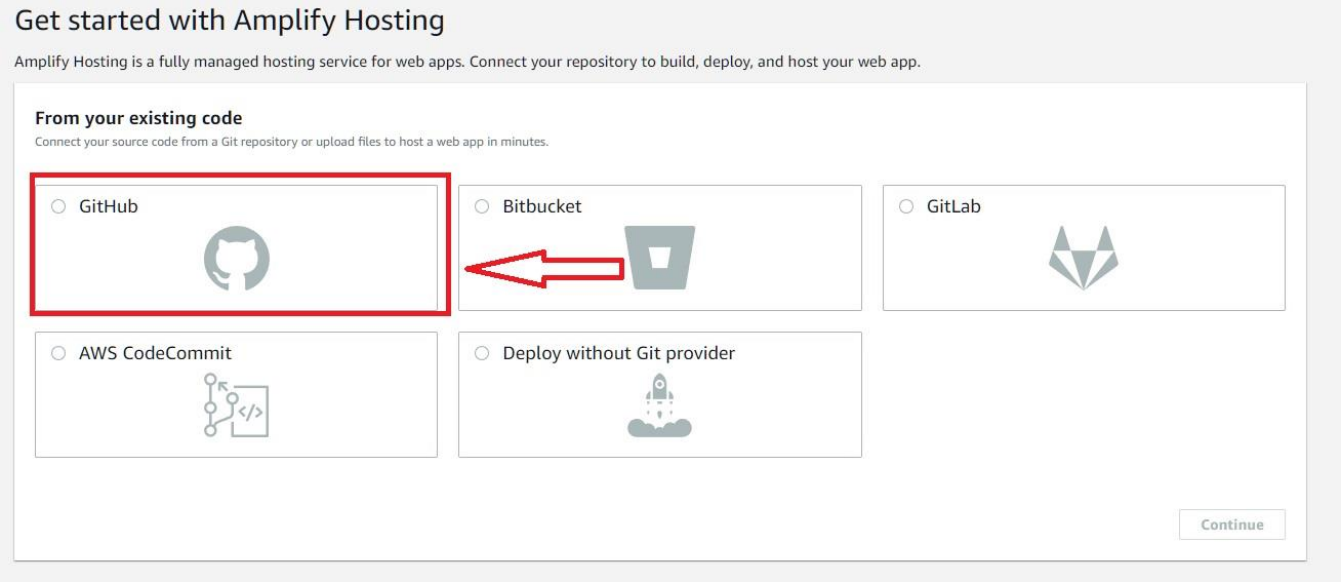
After creating your account, visit the AWS console and search for Amplify.



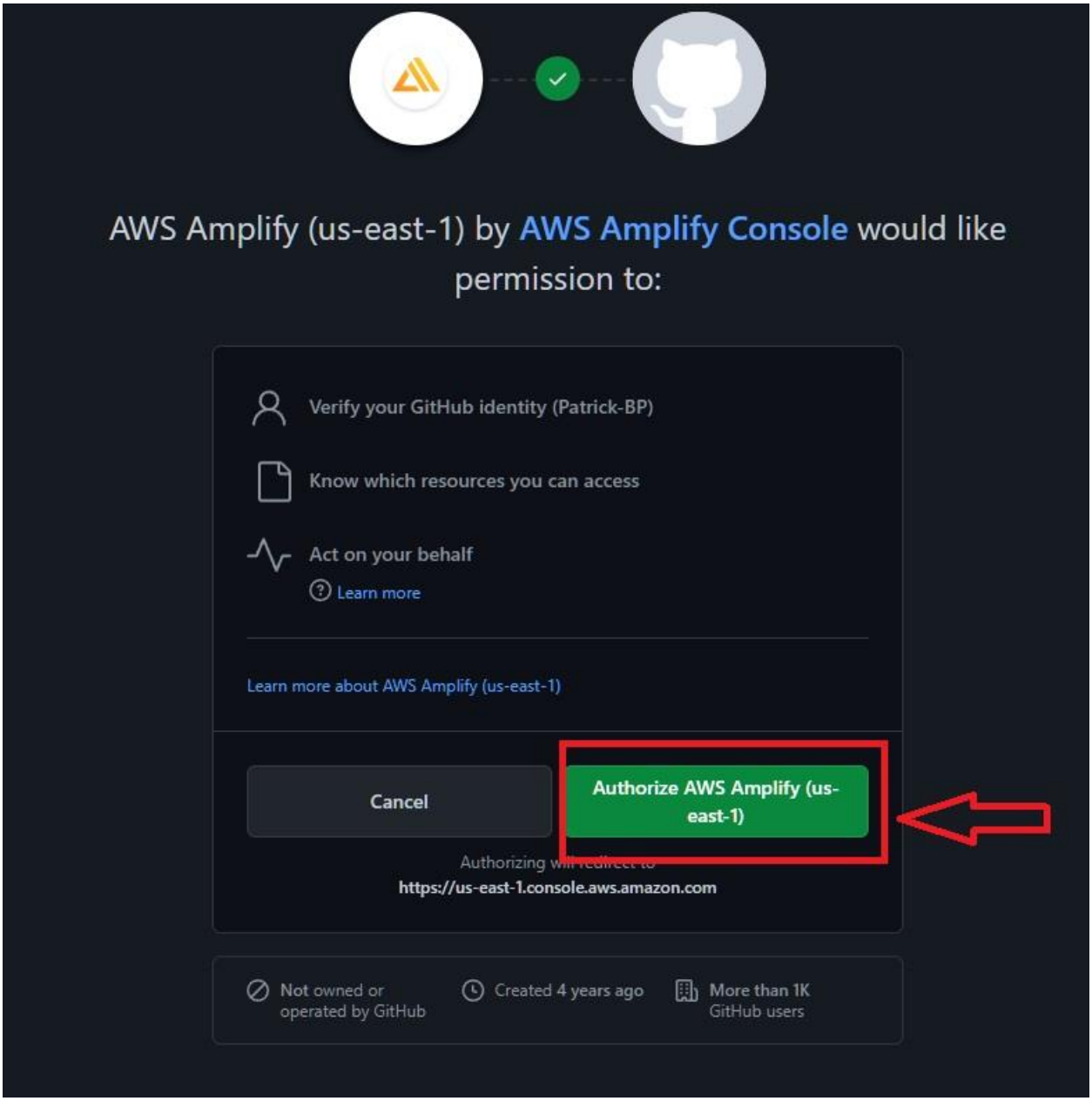
Under Amplify Hosting section, click on Get started

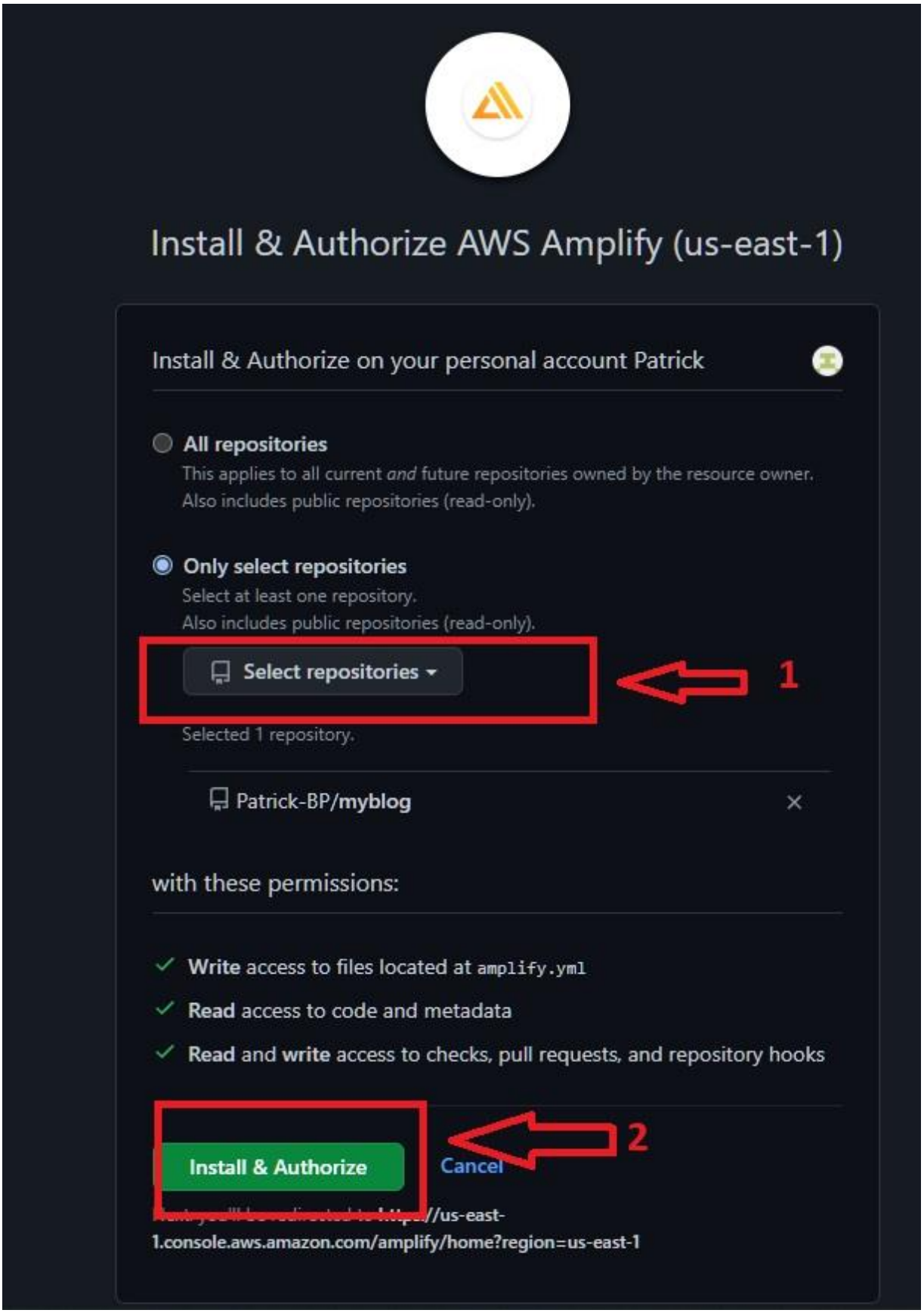


Choose your provider. in our case. We have our code in Github.

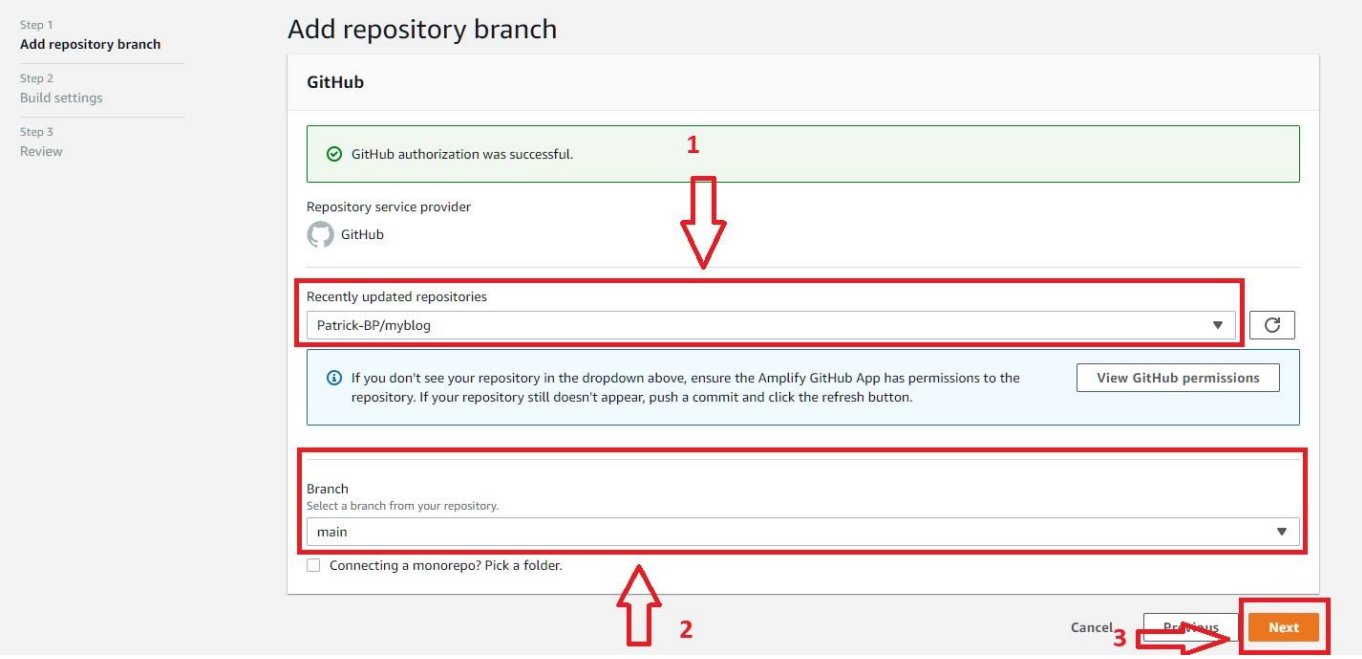


Sign in to **GitHub,** choose the repo you want to deploy, and select the branch.

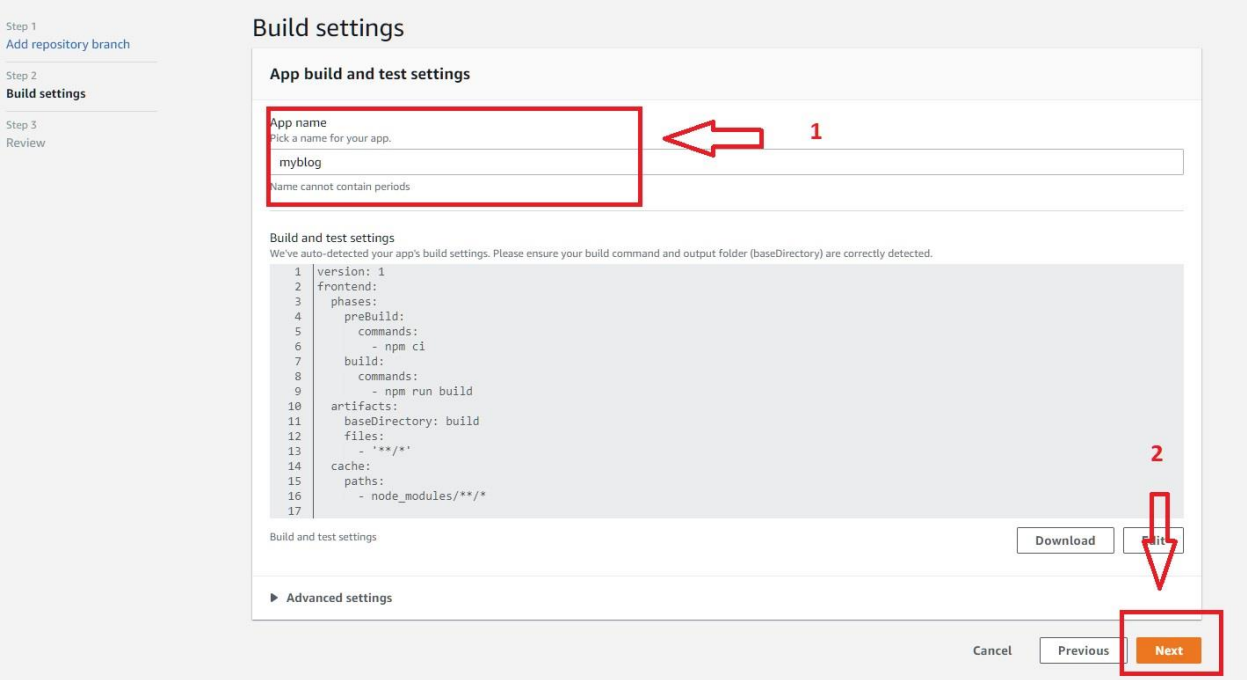

AWS Amplify (us-east-1) by AWS Amplify Console would like permission to:
Verify your GitHub identity (Patrick-BP)
Know which resources you can access
Act on your behalf
Learn more
Learn more about AWS Amplify (us-east-1)
Cancel
Authorize AWS Amplify (us-east-1)
https://us-east-1.console.aws.amazon.com
Not owned or operated by GitHub
Created 4 years ago
More than 1K GitHub users

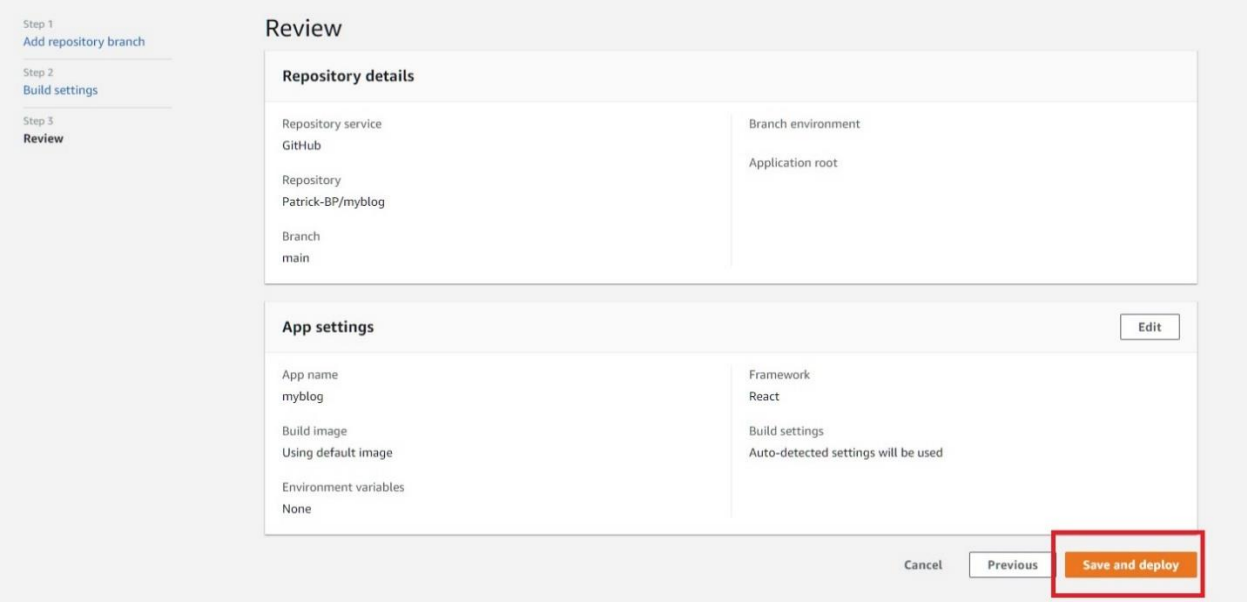

Install & Authorize AWS Amplify (us-east-1)
Install & Authorize on your personal account Patrick
All repositories
This applies to all current and future repositories owned by the resource owner.
Also includes public repositories (read-only).
Only select repositories
Select at least one repository.
Also includes public repositories (read-only).
Select repositories
1
Selected 1 repository.
Patrick-BP/myblog
with these permissions:
Write access to files located at amplify.yml
Read access to code and metadata
Read and write access to checks, pull requests, and repository hooks
Install & Authorize
Cancel
2
1.console.aws.amazon.com/amplify/home?region=us-east-1

App repository Branch



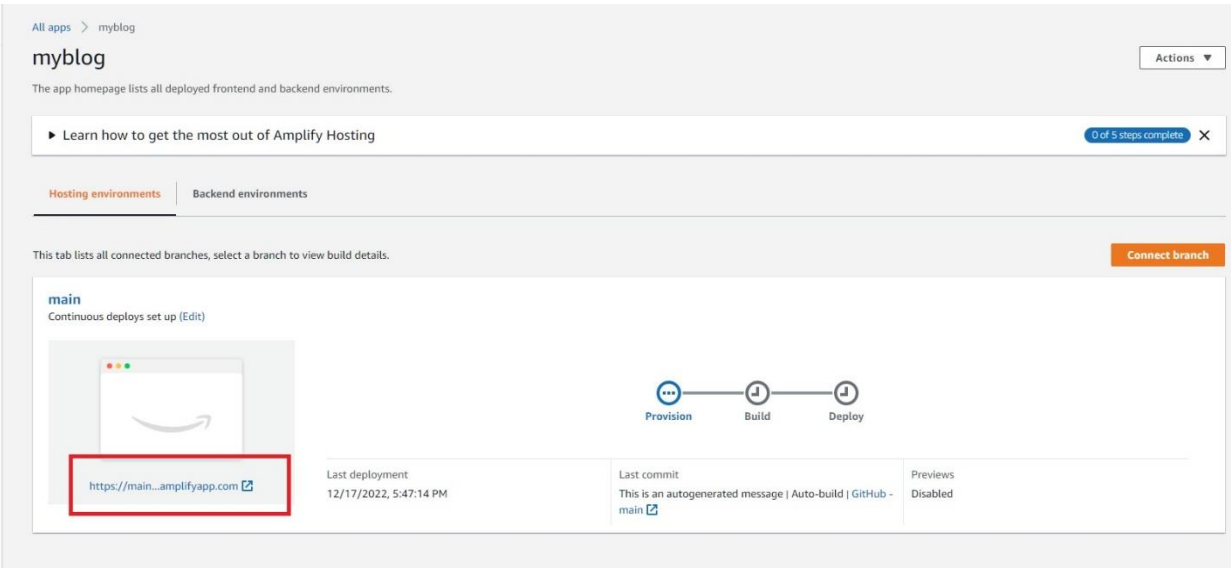
Build Settings



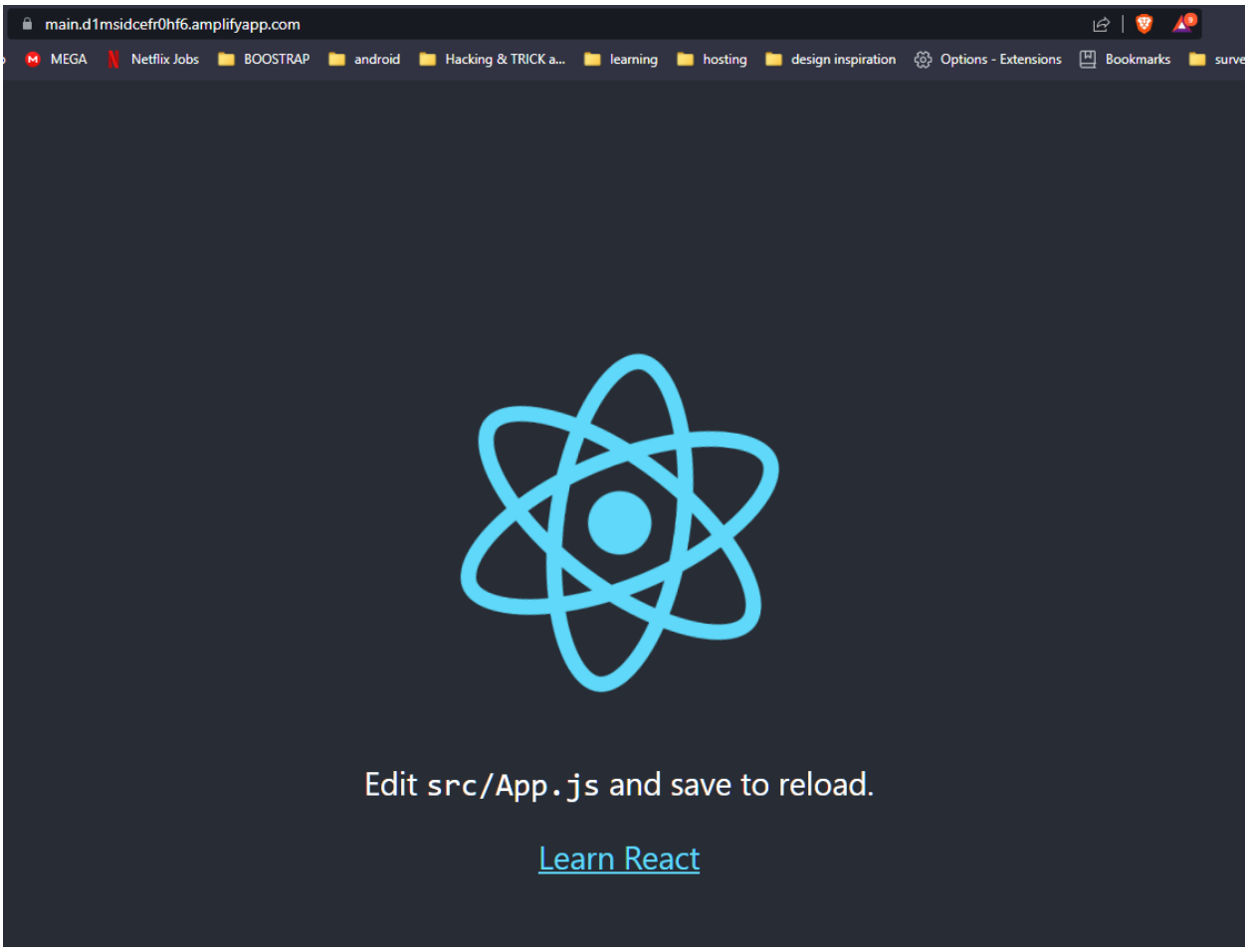


Check the deployment status.

Wait for provision => build => Deploy



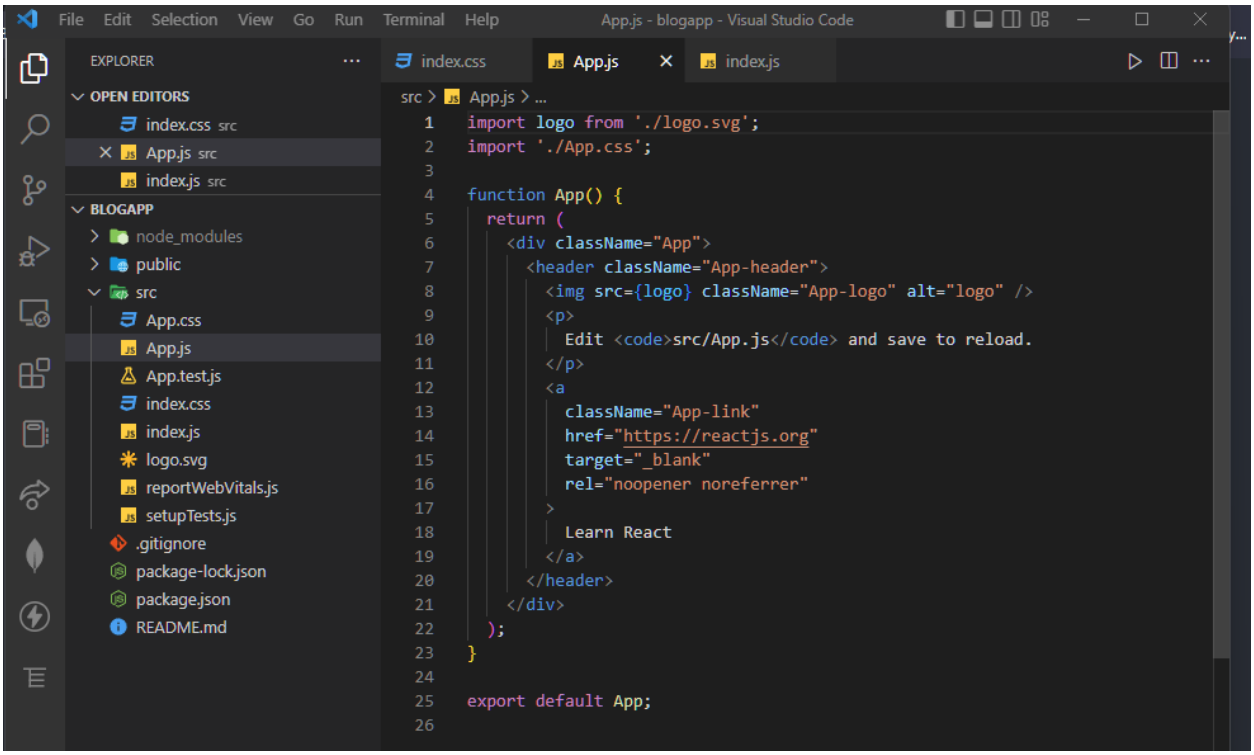
Click on the site URL.



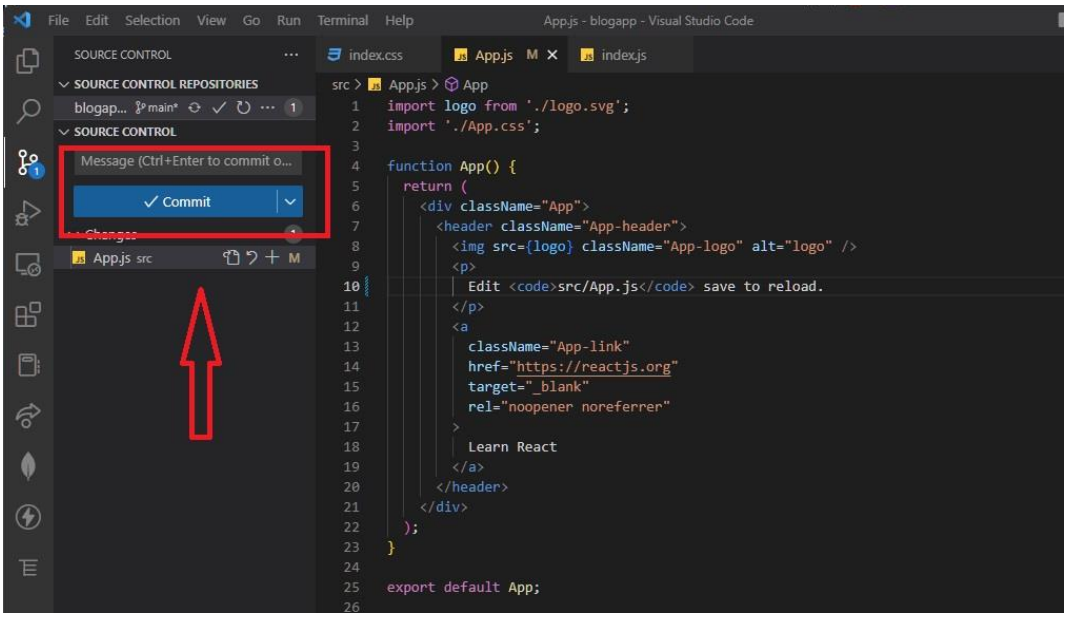
Finally, our app is live, and anyone can use it.

Do you want to make any changes??

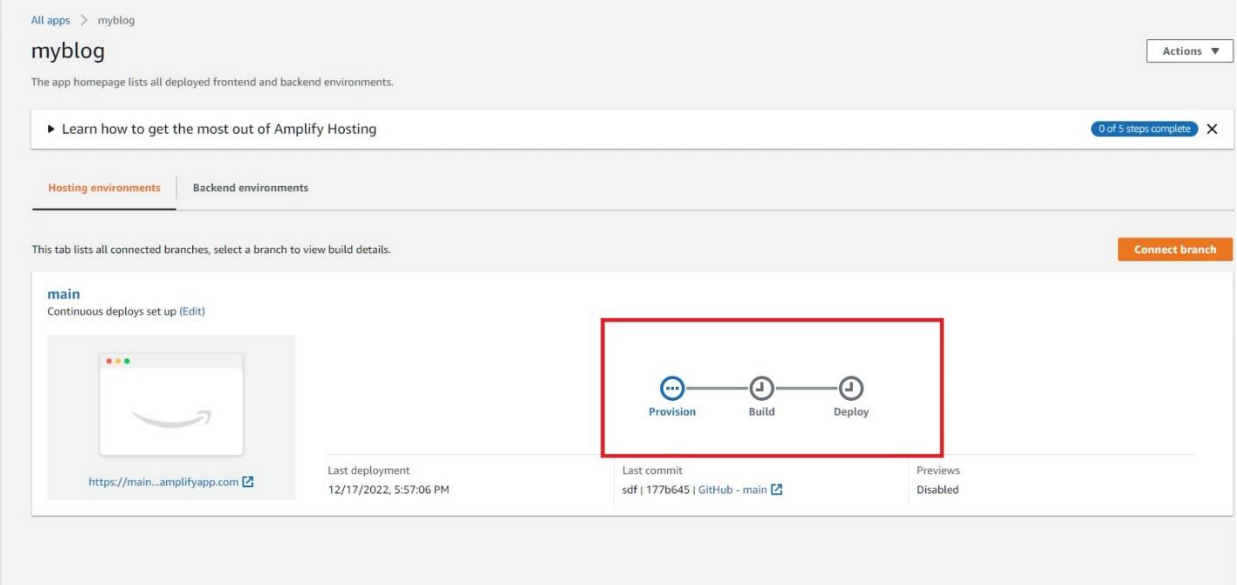
1. **Edit the code**



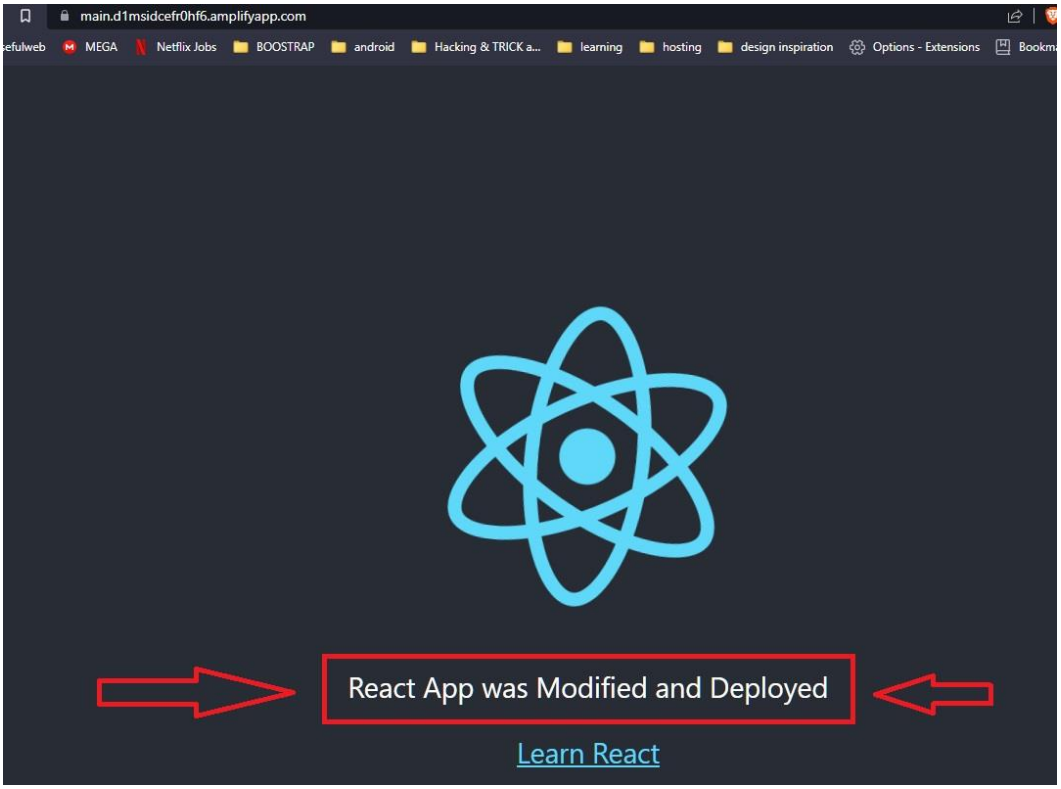
2. **commit the changes and push it**



Open the browsers again you will see the changes.



Result



Conclusion

In this article, we learned step by step how to create a react app from scratch and push it to Github, then deploy it to AWS Amplify.

You can deploy your backend apps using Amplify

Coming soon in the next blog