

so we now why we need a backend in order to create a web application but which technology are you going to use to create a few options you could use Java review On Rails php.net Nokia 5.1 in this course the most important thing is allows us to create a backend using JavaScript so we can use one language spend a lot of extra time learning about yet another language and all of its interesting we are ready to know how to use JavaScript now in addition to that no it is also super fast and will allow us to create really scalable and fast running websites and you know the only once using node really good company here website such as trailer Twitter Netflix originals in the backend and more more companies are joining their ranks and starting to use node no in the last few years if you been to any technical conferences you had not known as a lot of people who are super excited about this technology and in the coming lesson you can see exactly why and how awesome it can be so we talk about why we want to use node but what exactly does it do anyways will currently in our websites we return JavaScript code and we been able to executed inside a browser now that's really really important but up until now that JavaScript code has been locked behind bars and kept inside the browser so it's only been able to interact with the browser request information from the browser when listeners to components in the browser but we've not been able to write JavaScript code for a website that able to go beyond the boundaries of the browser for example of code is unable to reach out of the browser into the user computer and get access to for example the file system or the networking processes and is a very good reason you don't want to load website parks viruses hackers who are trying to happen to your local file system it be very very dangerous if they could download or look into your local files right but there are some situations where for example if you want to build a desktop application like atom when you do need to access the file system in order load of those code files that the user is going to edit situations you need to be able to access the file system or listen to the network basically you need to be after workout that can interact directly with the computer independent of the browser and that's exactly what node JS allows us to do it allows us to take JavaScript out of the browser and liberate it allowing it interact directly with the hardware of a computer so we can now use JavaScript inside a website in order to give it functionality and behaviour for implementing animations or drop down menu use but no JS allows us to use JavaScript to interact directly with the hardware the computer so we can use it for example to create a desktop application and in fact atom the code editor that we will using all of this time is based on node JS so now with node JS you can write JavaScript code not just in the browser to affect the behaviour of your website applications that work on your computer right so some of you guys might think well fair enough so you can use no just to program desktop applications why is that interesting to me we are learning how to make websites right well we can run node JS on our own computer but we could also use to run JavaScript code on somebody else's computer login to Google I am putting a query and your browser will make a request to Google Service and on the service we can actually execute JavaScript code to process the request and after that time we can send back the result to the user to the client and simply get their web browser to display the information and all of the heavy lifting the code execution happens behind the scenes on the server on the client side and now make your website a lot more capable so in the coming lessons we can be using node JS to interact directly with the computer in order to access local files or listen to network traffic and manipulate databases so I have you looking forward to it in the next lesson we can get started installing node so make sure you check the lesson title for the correct lesson I used to follow because one of them is for PC uses and another one of once you done with the installation will get back on the coding and creating websites and seeing what you can do with this fantastic Technology