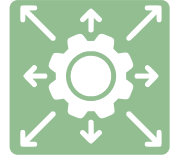


Getting ready for the course - BE

Pre-read



What is Backend Technology?



Have you ever wondered what is Backend technology?

Backend technologies are the heart of the application that computers use to communicate from frontend to server and server to Database because they can't speak with each other the way people can.

Web technology includes the browsers (any browser), HTML & CSS, Web Development libraries and frameworks like React and Angular, Programming language Javascript, protocols like HTTP, REST, API or (application programming interface) allows other developers to use some of the app's functionality without sharing the code, etc.

As you know that web development can be divided broadly into two parts that is the -

i> Frontend Development (Front side of the website, mainly the UIs)

ii> Backend Development (Backside of the website, mainly the servers)

Let's take a look at the most significant technologies. -

- Uniform Resource Locators (URLs)

A uniform resource locator (URL) is a reference to a resource that specifies the location of the resource on a computer network and a mechanism for retrieving it

- Hypertext Transfer Protocol (HTTP)

HTTP is an application protocol for distributed, collaborative, hypermedia information systems

- JavaScript Programming Language (ECMAScript 262)

It is one of the most essential technologies of World Wide Web content production, it makes the website interactive for the users

- Databases

A database is required to make a website dynamic. Dynamic websites include Amazon.com, Myntra, and Google.

If the data presented on a website is hardcoded or static, it is considered to be a static website.

Some of the most famous Databases are MYSQL, POSTGRESQL, MongoDB, etc

APIs

APIs let your product or service communicate with other products and services without having to know how they're implemented.

Consider a client as a person or program who uses an API to retrieve information or change something within the application. For example, a web browser is a client because it interacts with APIs on various websites to obtain page content, and the requested information is sent back to your browser and displayed on the screen.