

# How to become a Full Stack Web Developer

If you want to become a full-stack developer, you need to know HTML, CSS, JavaScript along with a backend but making the right choice in an era where there are a lot of options creates a lot of confusion for newbie developers.

## The Bucket Technique

As a part of this technique, we will study each technology just enough to start building sites. My breakdown for frontend and backend development is as follows:

### Front End Development:

- 80% HTML
- 60% CSS
- 50% JavaScript
- 20% Database (Insert, Update, Delete)

After you finish learning all these technologies, you will be able to build good designs but it is not possible to build a stunning website without graphic designing skills. You need to either be a good designer or refer to some design that is good enough for your site to look amazing! For that, you can either refer to some websites which are already built by great designers or work on your own design before you get your hands dirty with coding!

### Back End Development

I recommend the following options from a huge list of available options with **pros** and **cons**:

1. PHP - **Easy to learn, best for beginners, limited support of libraries**
2. NodeJs - **JavaScript which you already know from the frontend, Difficult to learn JavaScript concepts like callbacks are used**
3. Django/Flask (Python-based backend Frameworks) - **Includes ORM, great set of python libraries, need to learn python**

## Beginners Advanced

1. Frontend frameworks like react, vue, angular
2. Third-party JavaScript, CSS frameworks
3. Don't get me wrong here. JavaScript frameworks are amazing but if you want to be a successful web developer, you need to master HTML, CSS, JavaScript first.

## Not recommended

1. Website builders-wix

## Resources to Learn Web Development

1. HTML Cheatsheet (<https://htmlcheatsheet.com/>)
2. CodePen Search ([CodePen](#))

## Tools every Web Developer should know about

- [UX wing](#) for Icons
- [PixaBay](#) for free Images
- [FreeHTML5](#) for free templates
- [UnSplash](#) for Image API
- [Json Placeholder](#) for fake Online REST API
- More resources are available on this [GitHub Repository](#)