# Summary: Becoming a Full Stack Web Developer

**By Josue Guerrero**

First, this summary includes topics about the different technologies associated with web development and back-end programming, also includes both perspective of the author of "Can a Full Stack Developer Exist?" Liz Eggleston and mine.

What is a Full Stack Web Developer? In order to understand this role, we need to know the meaning of the elements of the stack and the importance of each one in software development, so let's check them out.

1. **Front-End Development**: Deals with the part of the project the final user will interact with. This section includes the three main technologies: HTML, CSS and JavaScript. There are many other tools from Third-party libraries which provide facilities for developers (Angular, React, Ruby on Rails, etc.).
2. **Back-End Development**: Corresponds to the application's main logic, it handles database operations and user authentication. Its in charge of providing a complete software design to guarantee optimization, maintenance and SOLID approval. Mostly worked with Java, Python, PHP, NodeJS).
3. **Databases**: A full stack developer must know what is like to work with both SQL and Non-SQL models and handle the decision for project integration.(Sql server, MySql, MongoDB). Here could also be considered knowledge about caching apps such as Redis, Memcached, Varnish.
4. **Version Control System**: About recording changes and handle versions. Git is mostly used for making organized updates and project releases.

These sections can be more divided and include UI/UX designers, QA Assistants, etc. In terms of Stack Developments there are many tendencies about developing software such as:

- LAMP Stack: Linux, Apache, MySql, PHP
- MEAN Stack: MongoDB, Express, Angular.js, Node.js
- MERN Stack: MongoDB, Express, React, Node.js

Now that we know what Stack development is, we can return to the main topic and ponder about the main question about the existence of a Full Stack Developer. According to *harkiran78* from *GeeksforGeeks* this term fits perfectly with the description of a T Shaped Person(Someone who has deep knowledge in one area and general knowledge in other supporting areas). Bringing the term to tech context we can finally describe a Full Stack Web Developer as the person who works on both front-end and back-end portions of an application. This developer must know about User interaction, logic models, data models, MVC programming, database and web server connections. So yes, this guy is basically a God.

In order to achieve that level, there are many considerations that call into question the existence of a full developer. 10 years ago was way easier to talk about a developer but all these features because the different parts that compose web development were not as advanced as it is today, now every component has grown into full disciplines on their own, every one going more complex

with every upgrade coming from higher requirements. So according to *Liz Eggleston* from *coursereport.com* a full stack web developer is not a term you can truly believe anymore, it's really hard to find a person who can deeply know about UI-UX and Ops at the same time for example, most of the cases you'll find an expert in one area and good knowledge on the next direct ones.

Also including the Stack development, is possible to find developers for one precise Stack format, but if you change the requirements and include different languages for either back-end or front-end the result might not be the same, because very often a developer has more experience and knows more tricks with his favorite languages.

In my humble opinion, is possible to find full stack developers, people with experience in every language, every context, every flavor, but it's not very easy to find and at certain point not very convenient. If a company hires a full stack web developer who proves having knowledge on every language, this might not be as deep as needed, because he/she wouldn't have faced enough cases and solved enough problems to produce in a required time. For me, it's better to have a team with members deep specialized in specific areas.

## About my own perspective

I hope to get involved with every language that is in my scope, I want to try every area, test, develop, suffer with every tool possible(from front-end to data basics), because one not very far day I hope to be in a very large company with a very important software project facing a problem, and when the team leader asks for a person who knows about a specific solution, I want to be the first one who rises his hand.

## Bibliography

https://www.coursereport.com/blog/full-stack-developer-vs-specializing-within-the-web-stack#ProgrammingLanguagesinthe%22Stack%22

https://www.geeksforgeeks.org/how-to-become-a-full-stack-web-developer-in-2019-a-complete-guide/