



# What is a Fullstack Developer

# So what is it?

A full stack web developer is a person who can develop both **client** and **server** software.

## **This includes:**

Program a browser (JavaScript, Frameworks, Libraries)

Program a server (PHP, ASP, Python, Node)

Program a database (SQL, SQLite, MongoDB)

# Client Software

(frontend)

## The Basics - Must Know



**HTML**

Website Structure



**CSS**

Website Styling



**JavaScript**

Website Functionality

## CSS Libraries, Frameworks and Preprocessors – Optional



**Bootstrap**  
Library



**Sass**  
Stylesheet  
Language



**Bulma**  
Framework

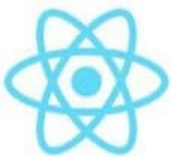


**Less**  
Stylesheet  
Language



**Materialize**  
Framework

## JavaScript Libraries, Frameworks – Optional



**React.js**  
Library



**Vue.js**  
Framework



**Angular**  
Framework



**jQuery**  
Library



**Ember.js**  
Framework

# Server Software

(backend)

## Programming Languages



PHP



C++



C#



Python



Ruby



GO



Java



## Web Application Frameworks

Express

Express.js

.NET

ASP.NET



Laravel



Ruby on Rails

## Runtime Environments



Node.js

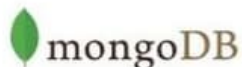


Deno

## Databases



MySQL



MongoDB

ORACLE

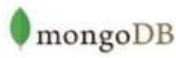
Oracle



PostgreSQL

# Popular Stacks

## MERN / MEVN / MEAN Stack



MongoDB

Express

Express.js

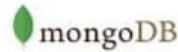


React.js || Vue.js || Angular



Node.js

## LAMP / LEMP Stack



Linux



Apache || Nginx



MySQL



PHP

## Django Stack



Python



Django



MySQL

# Advantages

You can master all the techniques involved in a development project.

You can make a prototype very rapidly.

You can provide help to all the team members.

You can reduce the cost of the project.

You can reduce the time used for team communication.

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You can switch between front and back end development based on requirements.

You can better understand all aspects of new and upcoming technologies.



# Disadvantages

The solution chosen can be wrong for the project.

The solution chosen can be dependent on developer skills.

The solution can generate a key person risk.

Being a full stack developer is increasingly complex.



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