Desarrollo Frameworks

BackEnd

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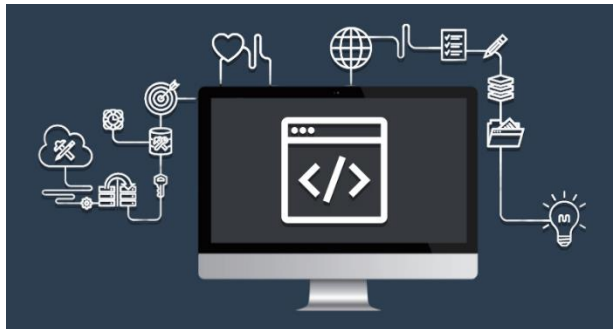
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¿What is The BackEnd?

Back-end web development, also known as "server-side" development, refers to the part of a web application that is not visible to the user. It handles the logic, architecture, and data management of the website, including: [1]
Processing requests: *Receiving and processing user requests through the interface.*

- ***Accessing data:*** *Interacting with databases to store, retrieve, and modify information.*
- ***Business logic:*** *Implementing the rules and processes that define how the application works.*
- ***API communication:*** *Interacting with other web services to get or send data.*
- ***Security:*** *Protecting the application from unauthorized access and vulnerabilities.*

Features: [2]

- ***Invisible functionality:*** *The back end is not visible to the user, but it's crucial for the website's operation.*
- ***Complexity:*** *Back-end development can be more complex than front-end, requiring programming and data management knowledge.*
- ***Technology variety:*** *A wide range of programming languages, frameworks, and tools are available for back-end development.*

- ***Scalability:*** *The back end must be able to handle high traffic volume and users.*

Uses: [3]

- ***Dynamic websites:*** *Allows creating websites that interact with users and offer a personalized experience.*
- ***Online stores:*** *Manages the purchase process, from product selection to payment and delivery.*
- ***Web applications:*** *Implements the logic and functionality of web apps.*
- ***APIs:*** *Creates APIs for other applications to access its data and features.*

Importance:
Back-end web development is essential for building robust, scalable, and secure web applications. Without a strong back-end, the website wouldn't function properly or offer a good user experience.