

¿Qué es el Back-end?

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This little research we do in order to have a broader knowledge of what is the Back-end.

I. INTRODUCTION

The "back-end" refers to the part of a computer system or web application that operates behind the scenes and is not directly accessible or visible to end users. It is responsible for handling the application's logic, processing data, performing complex operations, and managing interaction with the database and other external systems. The back-end is responsible for processing user requests coming from the front-end, performing necessary operations, and sending the appropriate response back to the front-end for presentation to the user.

II. HOW DOES IT WORK?

The back end is like the "brain" behind the application. It is in charge of processing data, interacting with the database, applying business logic and coordinating the communication between the client (your browser) and the server.

III. WHAT DOES A BACK-END DEVELOPER DO?

Back-end developers are responsible for making sure that the site logic works correctly, that information is transmitted securely and that application performance does not affect the user experience.

IV. WHAT ARE THE MOST USED LANGUAGES IN FRONT-END DEVELOPMENT?

Some of the most popular and widely adopted are:

- Python
- JavaScript
- Ruby
- Java
- PHP

V. WHAT ARE THE MAIN TECHNOLOGIES USED IN BACKEND?

Backend development uses a variety of technologies to build robust and scalable web applications. Here are some of the main ones:

- Development frameworks: such as Django (Python), Ruby on Rails (Ruby), Laravel (PHP) and Express.js (JavaScript).
- Databases: some popular databases are MySQL, PostgreSQL, MongoDB and SQLite.
- Web servers: such as Apache, Nginx and Microsoft IIS.
- APIs: RESTful APIs are common in backend development and use the HTTP protocol to exchange information.
- Containers and orchestration: such as Docker, and orchestration tools, such as Kubernetes, have gained popularity in backend development.

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