Tecnologías y frameworks para Back-end

Tecnologías y Frameworks TOP 4:

1. JavaScript:
   1. Cycle.js: JS framework for a predictable code.
   2. Derby: Server component. Server side application with real time data sync technology. (Written in Node.js)
   3. **Express.js:** Most popular Node.js framework for back-end.
   4. Koa: Lightweight middleware framework for Node.js to build efficient web apps and API’s.
   5. Hapi: Web framework for building web apps, API and services.
   6. MEAN: A full stack JS solution, that refers to the four components of solution for building dynamic websites: MongoDB, NoSQL, Express.js, Angular.js, Node.js.
   7. Meteor: JS framework built on top of Node.js with MongoDB as its database driver.
   8. Restify: A Node.js module built specifically to enable to build correct REST web services.
2. PHP:
   1. **Laravel:** Is a Model-View-Controller framework that uses PHP, which is one of the most popular languages of the web.
3. Ruby:
   1. **Rails:** Is a Model-View-Controller framework that uses Ruby, and it’s a popular framework that is loved by many developers. Airbnb, GitHub, Hulu, and Shopify are primary users of Rails. Rails is considered a beginner-friendly framework, and the fact pros and cons are debated, helps beginners get started with web development quite quickly.
4. Python:
   1. **Django:** Is a Model-View-Template framework that uses Python for web development.
   2. **Flask**
   3. Pyramid

**Model-View-Template:** The MVT (Model View Template) is a software design pattern. It is a collection of three important components: Model View and Template. The Model helps to handle databases. It is a data access layer which handles the data. The Template is a presentation layer which handles the User Interface part completely.

## Best Frameworks:

1. Express.js:
   1. Es el framework más popular y con más soporte en JS escrito Node.js.
   2. Es un server-side y mobile API application framework para Node.js
   3. *Express.js together with Node.js can be used for building APIs for single-page, multi-page, hybrid mobile and web apps.*
   4. *Express.js framework allows your dream dev team to use the same language which is JavaScript both on the back-end and front-end. As a result, the development process is much faster and easier as one person can manage both presentation and data access layer.*
2. Django:
   1. *Django is the most popular Python Web framework that encourages rapid development and clean pragmatic design. Python works on any platform and is also open source and remains scalable for further development. As it consists of a set of components, it provides a standard way to develop websites fast and easily.*
   2. *Django’s primary goal is to ease the creation of complex database-driven websites.*
   3. *Django is the best solution to creating an MVP - so called Minimum Viable Product - that can be further built on because it comes fully featured.*
   4. *Django also can connect to the large number of existing third party applications e.g., Twitter, Facebook, or payment applications.*
3. Flask:
   1. *Flask is considered more Pythonic than Django because Flask web application code is in most cases more explicit.*
   2. *It relies on middlewares, a pluggable approach to add functionalities as needed.*
4. Laravel:
   1. *PHP is known for its ability to integrate with many databases and is a very dynamic language.*
   2. *speeds up the development process with its elegant and simple syntax pattern, database migration and schema builder tools, simple and secure authentication mechanism, and many more.*
   3. *The documentation of Laravel is clean, organised and understandable.*
5. Ruby on rails:
   1. *It’s built on the MVC (Model-View-Controller) attitude, which makes even the most complex applications easy to extend with new features or business logic.*
   2. *The main aim of RoR is the speed and ease of writing code, which translates into time, quality of implementation of a new solution.*

## Fuentes de información:

### 10 Best Web Development Frameworks:

<https://hackr.io/blog/top-10-web-development-frameworks-in-2020>

### Glossary Tech: Back-end Technologies:

<https://glossarytech.com/terms/back_end-technologies>

### The best backend technologies to use in 2019:

<https://ordergroup.co/en/blog/best-backend-technologies-2019/>