

Jalolov Tursunbek Sadriddinovich

Asia International University assistant

Mahdiyeva Manzura Muhiddinovna

Asia International University student

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Modern web application and site work exist in the process two main directions available: frontend and backend programming. Both directions have their own special tasks and require technologies, however they are each other's fill and strong cooperation through successful software product creation for service. Frontend developer user who sees and which uses elements create with engaged, backend developer and server side, data base and of systems performance for is responsible. This frontend and backend developers in the article differences, advantages and their each one direction role seeing will be released.

Main part

Frontend developer duties and advantages

****Frontend programming **** user interface to create directed. These are programmers of the site appearance and user with mutually connection provides. Frontend developer main duties of the following consists of:

1. **** User interface create ****: Frontend developers site or of the application all visual components work they come out. HTML, CSS and JavaScript used without, they to the user comfortable interface creates. With that together, to users interactive opportunities present reach with JavaScript frameworks (React, Angular, Vue.js) for work important.
2. ****Responsive design ****: Site different different correct on devices (mobile, tablet, computer). view of frontend developers important is the task. This is them for Bootstrap or from other CSS frameworks requires use.
3. **** User experience Improvements ****: Frontend developers user interface in creating it intuitive and comfortable to be provide UX/UI design for principles they use.

****Frontend programming advantages ****:

- Quick changer technologies: Always new tools and languages developed goes
- Work result immediately it seems and it in real time evaluation can
- Users with directly in touch to be: Frontend developers user experience in improvement important role plays

Backend developer duties and advantages

****Backend programming **** server side and systems with requires work. Backend developers of the site functionality provide for servers, data bases and APIs with works

1. **** Information base Management ****: Backend developers site or in the application information storage and to them access provides. Information base with work for they are like MySQL, PostgreSQL or MongoDB from systems they use
2. ****Server side Programming ****: Backend programmers like PHP, Python, Ruby, Java or Node.js programming from their languages used without server code they write. This is the code of the user to your requests answer gives and of the site functionality provides.

3. **** Security and optimization ****: Backend developers site or of the application safety provide for different safety measures and algorithms they use They are also of the site stable performance and fast answer to give optimizes .

****Backend programming advantages ****:

- **Stability and Security** : Backend developers software of supply strong and safe to be they provide .

- **Expansion opportunities** : They are big in volume data with work and big systems manage opportunity have

- **Complicated algorithms and systems on work opportunity**

Frontend and Backend developers differences

1. **** In the field of work differences ****: Frontend developers user who sees interface and pages with works , backend developers while of the site functionality , server and data base with is engaged in .

2. **** Technological Differences ****: Frontend developers based on HTML, CSS and JavaScript work , backend programmers and server side like Python, PHP, Java from their languages they use

3. **** Duties ****: Frontend developers of the interface design and user to the experience attention focuses on backend developers while of the site safety , speed and stability provides .

Frontend and Backend developers similarities

1. **** Cooperation ****: Both the programmer and each other with closely cooperation does Frontend developers user interface with working at the moment , backend developers this of the interface performance for necessary functions provides .

2. **** The problem solution do ****: Both direction programmers also have problems solution to do and news input for creative solutions looks for

3. **** Testing and optimization ****: Frontend and backend developers of the product right work provide for constant by testing it optimizes .

Summary

Frontend and backend developers modern web projects in creating to himself special and important to roles have Frontend user interface create with engaged in backend developers of the system internal their work manages Theirs mutually cooperation web applications successful create and to users high good quality experience present reach for is necessary . Both direction to itself special technical knowledge and requires skills and programmers them appropriation through modern technologies in the field big to achievements achieve can

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