

Game Development FAQs

I am listing down some of the most commonly asked questions to me regarding game development.

Which degree is needed to become a game developer?

There is no degree requirement as such to become a game developer. The only major requirement is your skills. You need to have software knowledge of the tools required to become a game developer. There are a few softwares used in gaming industry to make games such as Unity Game Engine, Unreal Game Engine, 3ds Max, Blender, etc. Pick one of these, master them and keep making games. It's a never ending process and you keep getting better with time.

What stream to choose after 10th to become a game developer?

Stream does not matter. This question has been asked to me multiple times and I get this question at least once a day by someone who has just given their exams and are confused as to what to do after 10th to become a game developer. The answer is really simple. Take any stream, it won't affect your dream to become a game developer.

Also, the stream depends on your interest. Having said so, if you are still in doubt then I would recommend you talk to a career counsellor as this is more of a career related question and not a game development question as such. Bottom line: Take any stream. It will not affect your future as a game developer.

What to do after 12th to become a game developer?

There are two ways you can go around learning game development. The first is you need to ask your parents if they would be willing to support you through this journey.

If they do support then join a game development institute. That way you can get a formal education for yourself.

If they don't support your decision of pursuing game development then don't get disheartened. Game development is not about having a qualification for it. Developing a game is an art in itself. You don't necessarily have to go to an institute to learn game

development. Majority of the game developers in the industry have learned making games by themselves.

How do I learn game development?

One way is by joining a game development institute and the other and the most effective way is learning yourself. Read books, join online courses and most important of all: KEEP MAKING GAMES

Majority of people learn about softwares and all the expertise needed to make a game but until and unless you don't make games you will never learn.

Which institute is the best for game development?

This question is extremely vague primarily because there is no "best" institute as such. Having learned from a good institute can definitely make a difference in your career but there is no such "best game development institute" as such.

Personally I have not been to any game development institute so won't be able to comment on which institute to join.

However, I have compiled a list of institutes for your reference. Here's the link to that:

https://docs.google.com/spreadsheets/d/1fwv-PB-yB5wsOZho9SpVzSLDu2nNMPUKAR_E-Lw_Eok/edit?usp=sharing

Which institute should I join to learn game development?

The only single advice here would be to ask the students of a particular institute for a feedback. I don't know much about all the institutes in India and can't comment on the quality of education they provide so my opinion would not be the best to go with. You will get the best feedback from the students that are learning in that institute or have already passed out from there.

What is the scope of game development in India?

Scope of any field depends on your own expertise. While game development in India is improving by leaps and bounds in recent times this question is slightly misleading. The scope of game development is good but the real question to ask here is will your scope be good in future if you become a game developer.

The answer to this may sound very haunting to hear but it really depends on your skills. If you are not able to make good games then your scope is bad. If you are able to make good games then your scope is good.

Game development as an industry has a bright future but if your future in this industry will be bright or not totally depends on your level of expertise you develop in this industry.

How much money will I earn in game development?

If you are looking for a job in this industry then you will get salary for working in a company. Salaries vary from anywhere starting at 5k per month for interns and can go as high or even more than Rs. 1 lakh per month on a higher level of expertise.

Salaries of programmers is usually higher than that of artists. Game testers get paid the lowest. Game designers have a mid range salary.

If you are making your own game then the harsh reality is that there might be a chance for you to make no money at all as well as a chance to make millions.

There is no fixed income if you make your own games. There might be a time when you earn a lot in one month and there might be a time when you earn literally nothing. That's how it is.

How to get started in game development?

You need to have certain software expertise to know how to make games. But majorly the most important requirement is that you need a proper understanding of what makes a game fun to play.

Also, have a clear goal about what path you want to take in this field. There are many different types of roles in this industry such as game designer, game artist, game programmer, game tester and more.

If you want to become a game programmer then I would recommend you to first learn programming if you are a total fresher. Start with C++ to clear your basics as that is the most basic and easiest language to grasp. Once comfortable with C++ learn Unity Game Engine that uses C#. If you have understood the foundation of C++ you can easily use C# in Unity.

If you want to become a game artist then you first decide if you want to be a 2d artist or a 3d artist. For 2d artist there are softwares such as Photoshop, Gimp, Spine (for character

animations) whereas for 3d artists there are softwares like Blender, 3ds Max, Maya, Mudbox and ZBrush.

If you want to become a game designer first understand that the role of a designer is to architect the game play. This means that a game designer will look after how the game will be played and what would make the game fun to play. Your role is to write down a documentation for the game. Starting as a game designer means to simply think, think and think and write, write and write!

If you want to become a game tester then just play games and apply for a job in gaming companies.

How to get a job in a gaming company?

Simple, go to their website, find their contact form or email id and mail them your resume. If they like your profile they will revert back to you.

How to get a job in Ubisoft, EA Games, Rockstar Games and other big game development companies?

Simple, go to their website, find their contact form or email id and mail them your resume. If they like your profile they will revert back to you. No rocket science here, the process is the same. Even they are a company. Hiring process is same in all companies.

What qualifications are required to become a game developer?

While there are no hard qualification requirements to get into this industry, what really matters is your skill. Having a qualification may help you but what will really help you survive in this industry is your skill level.

However, having said so, having a qualification as a backup would really help you because it might happen that you might lose interest in the game development process once you get to know the struggles in the industry. So finish your basic level education along with a degree. If you are able to pursue a degree in game development then amazing. But even if you are not able to get a degree in game development that is not an issue. Finish your basic bachelors degree so you have a backup option to fall back on.

Is game development a risky industry?

Absolutely yes. Looking from outside this industry looks very fun to be in and at times that is even true. But the reality of the situation is that developing games is not that easy and it takes sweat, blood and tears to even come up with an idea and executing on making the game even if it is a small concept.

Is engineering required to become a game programmer?

Nope. In fact, nobody teaches core game programming in a traditional engineering college. Engineering can help you learn programming which can in turn help you become a game programmer but it is not really a requirement to be an engineer to become a game programmer.