

A Complete Guide to Game Development Roadmap

No comments



The purpose of this article is to explain how to become a game developer and the complete process of it. You will learn how to make a career in game design and development, get a job as a game developer, and make money doing it. Let's take a look at the Game Development Roadmap.

Game Development Overview

Game development describes the whole design process, arrival, testing, and final release of a game. The skill, artwork, and specialty go into making games. Additionally, it might involve idea generation, design, planning, building, and testing. It is crucial to consider the game mechanics, reliability, rewards, and gamer commitment when developing a game.

Game Development Roadmap

Game Development

There are three main stages to developing a game, which can take as little as a few weeks or as long as a decade:

1. Pre-production: the pre-production phase involves deciding the game's scope during the pre-production phase.
2. Production: During this stage, the studio turns the pre-production concepts into source code and various assets.
3. Post-production: the process of fixing bugs and releasing new DLC.

Game Design

Game design involves deciding what the game should be and how it should work. It includes gameplay, characters, storylines, locations, user interface, etc. Typically, a GDD includes:

1. A summary (the game's concept, genre, target audience, the scope of the project, etc.)
2. The gameplay (objectives, game progression, GUI, etc.)
3. Game mechanics (rules, combat, physics, etc.)
4. The game elements (story, characters, locations, levels, etc.)
5. Media assets (music, sound effects, 2D/3D models, etc.)

Worldbuilding

Creating the fictional world where the story will take place is fundamental to designing a game. It is possible to create a whole new universe with its history and laws of nature, or it can be as simple as altering the details of our world to fit the story.

Level Design

In level design, all the game elements are combined to shape the player experience: game mechanics, gameplay, obstacles, story, etc. Its purpose is to challenge players and keep them engaged and immersed in the game environment by creating interactive situations or events.

Pitching Games to Publishers

Game pitches allow you to share your vision with potential investors, team members, studios, and game journalists. The International Game Developers Association's former executive director Jason Della Rocca notes that most developers "suck at pitching".

Game Development Career Roadmap

Game Developer Roadmap



In addition to making games, game engineers also configure, program, and test them. As a game developer, you can follow a variety of paths.

As a non-mainstream game designer, you will work alone or in small groups to create a game and sell it yourself. Your game engineer responsibilities in this job will extend to more areas.

You can find a new line of work by working for a game design and development company. These companies range in size from small to large. You can expect to work in various estimated groups. Only one of every odd designer will simultaneously take on a similar project.

It is more straightforward for game engineers to go in a more particular direction when they are part of a more significant gaming organization. Every team member will focus on a different area of the game. Freelancing and

Outsourcing can also be considered as an alternative to a job.

The Best Programming Languages for Games

Learn these programming languages to create the next big classic game. For those of you raised on computer games who desire to create your own in the near future, what programming language would be most helpful at present so that you can strike in a couple of years? There are many potential answers to this question, but the best answer is to choose the language that best fits the stage you choose or the language your game studio employs the most. Even though there are several programming languages, game designers typically use relatively few.

There is an option if you have an amazing game idea but need more coding skills to make it a reality. Hire a game design and development team to assist you. If you have an idea for game design and development, please take a look at our past, and current projects in our [services](#) and feel free to discuss your idea with us.

Mobile Game Development

Initially, learning C++ can be overwhelming for some. Others give up and settle for a more straightforward language. Making small games is quite possible in simple languages like Visual Basic. Java, VB, and C# are excellent languages for developing small console games. This is another language you can start with. It's an Object-Oriented Programming language like C++, but it's much easier to learn. The Objective C programming language is a hybrid of Java and C, which are usually included in the prior year's educational plan of programming courses. Objective C is commonly used to create iOS games for iPads and iPhones. However, the syntax or punctuation does not appeal to you.

For Android games, Java is the best programming language. A few people code in C++, but there's a problem managing cross-gadget similarity. Java runs on virtual machines, so you don't need to do anything special to make your Java game work on multiple gadgets.

Server-based Games

Some games require a server component, such as World of Warcraft and Guild Wars 2, which make use of Java, PHP, or C# for the backend. They make running servers faster. However, there is an expense associated with execution when compared to using C or C++. In the case of game development, you can generally experiment with different programming languages on the server, such as Python, Ruby, or JavaScript.

Android Game Development

For some individuals, Android game development is a dream job; for others, it's a life-changing hobby. The games industry has been gaining ground against the entertainment and film industries over the past few years. It doesn't

matter if you're going to make money as an outside-the-box engineer, get a job at a game development company, or make games for the love of it; there is a huge crowd out there willing to try your creations.

The Future of Game Development

A Reduction in Single-player Games

People love interactions and team up when playing games. The days when you purchased discs and played only those are virtually over. The number of gamers preferring virtual characters is decreasing. Few people play with other players. Games allow people to interact with one another.

Esports: More Spotlights

Based on a study involving CEOs of renowned game development studios, practically half believe eSports will bring 10% or more to the industry in the near future. It is common for video games to venture into new fields outside of soccer, basketball, and hockey, which have been popular for years. Because AR and VR have taken a stronghold at-home gaming, such games as rugby, tennis, swimming, and shuffleboard will appear in the games.

A World of 5G Opens up New Possibilities

With 5G, cloud gaming will make a huge leap. With fast internet, game engineers can evaluate high-quality designs in online mobile gaming. Streaming lives will also be affected. Positively, clearly.

Increasing The Demand for VR Designers

It is expected that the virtual reality market will continue to expand. According to recent information, it will reach \$22.9 billion by 2020. Engineers can make unimaginably realistic 3D graphics using the latest VR headsets, devices, and game engines. It is almost certain that every game developer organization will try to get a piece of the growing VR market.

How to Get Game Development Job?

Now that you have created your portfolio, where do you apply for jobs? You can apply for jobs using Naukri.com, Monster.com, etc., but LinkedIn is the easiest way to get a job nowadays. You can build your network on LinkedIn and post that you are looking for an internship in game development, and you are likely to get a positive response.

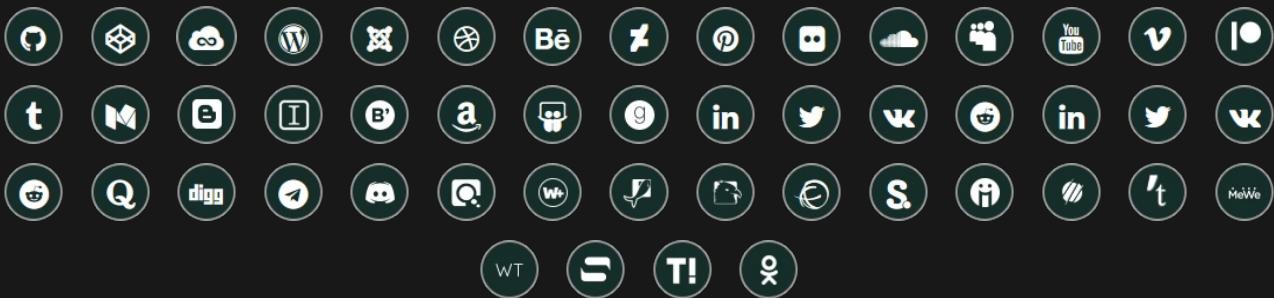
Conclusion

To be successful in gaming, you must stay informed about trends, facts, figures, and patterns, whether you are a developer, a CEO, a businessperson, or an entrepreneur. If you have an idea for game design and development, please take a look at our past, and current projects in our [services](#) and feel free to discuss your idea with us.

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