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Challenges Facing Your Field

There are many benefits being in the field of software development. Things like a big salary, a chance to improve, an ability to make noticeable impact, creativity, and many job opportunities. On the other hand, there are some challenges to be faced when moving from idea to implementation.

While rapid technology advancement *sounds* like a good thing (and is in most cases), software developers must learn something new nearly every day. In order for products to be released up to date, pressure is definitely felt by software developers to implement new features and provide cutting edge technology.

Another classic issue is supply and demand. Though it is nice to think that when someone needs a program, genius coders will be there to provide it, the actual process of creating an entire software can take much much longer. There are many resources used in the making of one program, not to mention the documentation required to release it. Moreover, after the program is finished, there needs to be someone releasing updates and patching bugs.

Lastly, a challenge faced in the world of computer science is limited resources. Unlimited texting, calling, data, and wifi make it seem like the world of computers has no limitations or cap on its power. This is not true, however. For example, thermal limitations can severely reduce computing power on a phone or laptop and loud fans are the most popular solutions at the moment. Some claim to integrate “advanced cooling systems” but oftentimes end up failing. There are definitely caps on computing power, data storage, and connectivity in the field of technology.