
Subject: Re: Future of C++

Posted by [Didier](#) on Tue, 10 Dec 2019 19:31:27 GMT

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Well C++ isn't the most popular at the moment but it has some strong arguments for it's future

quick execution good ressource management (use only what you need !) no licencing : with java, things are very different now... java might die soon ... code confidentiality: you're code secrets are not not given away when you deliver to you're client (never true with interpreted languages) most/all low level codes (like OS, drivers,) are written in C/C++ a lot of librairies are now available the old argument saying : 'it's not cross-OS' is not true anymore => Upp, Qt, ... very good tool base available now : editors, compilers, debuggers, static analysers, profilers, ... long-life time of the code : more recent languages move fast ... and are quickly replaced by some newer tech or no more compatible with you're code :(Most of the hight performance SW are written in C/C++ allmost all good librairies propose a C++ API (even the most recent ones)

The main "drawback" about C++ is that it requires higer starting skills than other more permissive languages ... but the result is only seen latter in the projet phase (to slow, to much ram used, ...) So if you only have java coders on you're hand (since learning C++ is a litle harder because it requires more)... you might go java on you're project (which might not be the best way to go)

If you want to develop web pages, it's not the best way to go

If you want to work close to HW : it's the way to go

For the rest, I think Upp demonstrates that it can do the job great :)