УДК 004.054

THREE THINGS THAT WILL IMPACT THE FUTURE OF SOFTWARE TESTING

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As Elon Musk once said, "If you go back a few hundred years, what we take for granted today, would seem like magic-being, able to talk to people over long distances, to transmit images, flying, accessing vast amounts of data like an oracle. These are all things that would have been considered magic a few hundred years ago." [1].

Today we continue to develop new technologies and use them everywhere, including software testing. Already now the field of test automation is well paid, and to stay afloat we have to know new directions of software testing.

In the past few decades, software testing has evolved. Previously, there were only a few tools used in software testing, but now we have a set of tools to choose from, from possessive to open source. On a high level, here are three key things that are going to shape the future of software testing.

About five years ago, everyone was talking about "mobile first". Now, the new buzzword is Artificial Intelligence. It is in self-driving cars, home assistants, computer vision, health care, finance, and now in software testing [2].

DevOps is a practice that helps software development teams to better collaborate, thereby ensuring there is constant automation and monitoring throughout the software development lifecycle. It starts from requirements gathering and extends all the way to production release and monitoring. This increased culture of collaboration starts having positive effects in team morale, and the whole team starting working together as one unit.

There are now robots that do testing. Some people may think that robot testing is scary in terms of job security, but the human mind can never be replaced. There would still be the need for humans to monitor the robots to ensure they are doing what is expected of them and to actually program them to do things.

In summary, advancements in technology have already started influencing the way we are doing software testing and to make all this a reality, companies need to adopt lean processes and be much more transparent to prevent being an obstacle for innovation.

References

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