

# Devin AI: A Job Replacer or Just an Assistant

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## Overview

Devin is an Artificial Intelligence enabled tool developed by the company Cognition which is capable to program whole websites, apps and many more in the field of software development. single handedly without much human intervention which is a I think a boom in tech industry as myself being a student of the same domain. As aspiring software developers many people are worried about their future due to the inclusion of a complete AI automated tool in the industry, also there are mass lay-offs in the industry from last few years whereas some of them are considering it as a human assistant which can perform boring stuff and let humans think about new ideas

## Core - Concept and use case of Devin

Tasks it can perform:

- Website Development
- App Development
- Testing and debugging
- Automated deployment
- Continuous learning

Devin is an AI enabled tool which consists of a large bunch of libraries embedded inside it. Whenever a client chooses their topic of work it first analysis the problem given to it with the help of strong and powerful machine learning algorithms fitted in it, then from the libraries present inside it finds the best possible solution of the problem considering the requirements of the client such as cost effectiveness, security perspective and many more.

Not only the solution but it can also code the complete app or website for the client along with the continuous testing and debugging. It can also update the client about the status of the work.

The deployment which a tedious task it can also be taken care of well. It has a constant learning mechanism through which it can learn from as more as it is used and the mistakes it makes initially with the help of AI algorithms.

## **Impact on Current Jobs**

As of now Devin is not in use in industries but in short period of time they will start adapting the tool. The main impact which I can personally feel is that till now in a project there are different teams assigned for tasks such as development, testing and deployment all of the work can be taken care by single tool Devin which can do all of them with the help of one or two human resource which can be concerning by my point of view. In short, the work which was done by a team of 8-10 individuals it can be done by Devin and 1-2 people operating on it.

This can certainly decline few of the job roles related to software development.

The CEO of a famous company NVIDIA commented on AI in general

“Many of the software development jobs will be taken away by the introduction of the powerful AI enabled tools”

## **Future of the industry**

Though Devin might reduce some of the roles but it was clearly stated by the owner of the company that it is not created to replace humans from the job but to assist human and saving their time from doing the same boring setup and integration again and again which can be taken care of well by Devin and they can spend their time and brain over thinking about new ideas and solutions of the problem, how to implement that will be taken care of by AI.

There will be opening of new jobs roles with the introduction of new tool at last Devin is a tool and it needs people to operate it in correct and effective way. The demand for prompt engineers is going to increase drastically according to me because we need people to learn AI and know how to operate the tool.

## **Some of the Facts and stats**

According to many researchers and analysts out of 100 software problems given to Devin for testing purpose it was successful to solve 15 problems with good accuracy which is a considered a great jump because the current famous tool Chat-GPT can solve 3-4 out of 100 problems which is a remarkable achievement and a huge jump. Currently available tools are mainly used for small parts in a project such as debugging an error or to learn a certain concept about with Devin all of the development, testing and also deployment without much human intervention

## **Conclusion**

At last Devin is also a machine and it can't interact and communicate as humans do, it can't think about innovative ideas as the human mind can things are not out of control and it's not like the current developer's knowledge and efforts are into vein it's just they have to change their learning a bit and also focus to grab knowledge about the usage of the tool and they can still have a great carrier in this field by learning just an add-on which is prompt engineering. Devin is not a human job replacer it is there to assist humans for complex problems.