



The Future Of No Code and Low Code Platforms: Software development made democratic

No code and low code platforms are changing the way that software is built by enabling people with little to no programming experience to build software quickly and easily.

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Introduction

Software development used to be and is still for just a good programmer to do. This required years of exposure and experience writing code and some problem solving in terms of troubleshooting errors and code and system development. Today, this is changing. No code and low code platforms are making a possible for just about anyone to build applications. Tools like Bubble and OutSystems, have enabled people to create apps with primal drag-and-drop capabilities without using any sort of writing complicated codes.

This shift is important for Pakistan where may not have access to more advanced training, but few young people may be interested in going into the tech field. These platforms provide new opportunities for students, freelancers and small businesses.

"Software development is not now up to the programmers alone, it's putting itself out there to anybody who has an idea."

Technology Overview

No code and low code platforms simply make life easy for the development process. Instead of needing to write the code from the bottom up, however, users are enabled to select components and design interfaces and connect features graphically.

For instance, a small business owner doesn't have to hire an entire team of developers in order to get an online store or online booking system up and running. A student can construct a project / Prototype in the short amount of time, which helps in learning and experimenting. Low code platforms are still possible some coding; more flexibility for complexity of applications. No code platforms on the other hand are targeted towards ease of use and simplicity of their approach.

However, there are certain disadvantages with these platforms. Customization may be area restricted, especially large/sophisticated systems. Performance, also, may not be of a fast pace like the fully coded applications. In some cases, security issues might be created since of lack of understanding in the method data is being handled by users. In Pakistan's burgeoning startup ecosystem there are a range of new businesses that are using the power of these tools to get products up and running in a hurry. This indicates how development is coming more and more rapidly, and accessible.

Key Findings & Impact

One huge benefit with no code and low code platforms is speed. Applications in weeks could now be developed in the matter of days. This helps startups to test things out quickly, and get into the market more quickly.



And accessibility is of course another major plus. People who have no technical background could also now work on involving in the software development. This results to more innovations, and more Ideas being born in real form of products.

But there are difficulties. Limited flexibility can be a problem with scaling an application. Developers can feel the pressure to return to more traditional coding to get more sophisticated functionality.

Security is also a concern. There are chances of data risks and poor decision making due to complete dependency of users on the platforms if they have not understood the working of systems. For Pakistan, it can use such platforms to facilitate the growth of the freelancing industry, startups and digital based business sectors in the country. At the same time there is need for a balance being maintained between ease-of-use, and appropriate technical knowledge.

What's Next?

No code and low code platforms will continue to grow and develop. In future, the tool may afford more of customization in terms of degree of performance and security features. The job of the software engineer will change, too. Instead, just coding they may be more focused on systems design, problem solving and enhance capabilities for the platform.

For students this is a chance to be introduced to traditional coding, as well as the tools of the day. The intention should be to use these platforms in a sensible way also to develop good technical foundation.

About the Author

I am Hunain Tariq! I am a student at University of Agriculture Faisalabad. I love tech and software development in any form. I really enjoy distilling complex technical topics to make them easy for beginners and students to understand.