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Review on Impact of Low-Code / No-Code Platforms on Software Development

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Abstract: *The emergence of low-code and no-code (LC/NC) platforms has significantly reshaped the landscape of software development. These platforms empower individuals with minimal programming expertise to design and deploy applications rapidly, democratizing access to software development. This review paper examines the impact of LC/NC platforms on traditional software development processes, highlighting both their advantages and limitations. The paper explores how these platforms reduce development time, lower costs, and increase accessibility, thereby accelerating digital transformation for businesses of all sizes. Additionally, it discusses the challenges these platforms present, such as scalability, security concerns, and the potential for reduced control over the code-base. The review also delves into the evolving role of professional developers in a world where non-developers can build applications, emphasizing the shift towards more collaborative, cross-functional teams. By synthesizing current trends, case studies, and expert insights, this paper aims to provide a comprehensive understanding of how LC/NC platforms are reshaping the future of software development and their implications for the industry.*

Keywords: low-code and no-code

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