

# Jason Indelicato on Understanding the Rise and Impact of Low-Code No-Code (LCNC) Platforms in 2025

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SALT LAKE CITY, UT, UNITED STATES, February 9, 2025 /EINPresswire.com/ -- In today's fast-paced digital landscape, the demand for rapid software application development has never been greater. IT departments across various industries face increasing pressure to deliver applications that meet end-user expectations while managing a backlog of operations and maintenance work.

Traditional approaches to software development often fall short due to the limited availability of skilled developers and the time-consuming nature of coding. Enter Low-Code No-Code (LCNC) platforms—a revolutionary shift that is transforming how software is developed and deployed.

By 2025, 70% of new applications built by enterprises will use LCNC technologies, a significant increase from less than 25% in 2020. This meteoric rise is due to the simplicity, speed, and cost-efficiency that LCNC platforms offer, making them highly attractive to businesses looking to streamline digital transformation.

## The Advent of Low-Code No-Code Platforms

LCNC platforms provide a solution to a pressing problem: how to create and deploy applications quickly without requiring specialized coding skills. These platforms offer visual development environments, where users can drag and drop components to build software, reducing the need



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for intricate programming knowledge.

While based on established coding languages like Python, PHP, and Java, the beauty of LCNC platforms lies in their user-friendly interface. Anyone with a basic understanding of business processes can now design applications.

Historically, early low-code platforms can be traced back to the development of Visual Basic, one of the first Integrated Development Environments (IDEs) to simplify coding. However, the concept of LCNC truly took off in the late 1990s and early 2000s with the rise of fourth-generation programming languages (4GL) and rapid application development tools. Even the spreadsheet—introduced as a tool in the 1960s—served as an early precursor to today's LCNC platforms, allowing users to perform complex calculations without writing a single line of code.

As technology has evolved, so too have LCNC platforms, which now enable users to bypass traditional development cycles, freeing up developers to focus on more complex, value-added tasks. These platforms leverage pre-built modules and libraries, enabling professional developers to create applications two to three times faster than traditional tools.

#### Key Advantages of Low-Code No-Code Platforms

**Faster Development and Deployment Cycles:** LCNC platforms significantly speed up the application development process by offering web-based drag-and-drop functionalities and reusable components. This allows organizations to develop, test, and deploy applications in a fraction of the time required by traditional coding methods.

**Flexibility and Customization:** Despite their simplicity, LCNC platforms allow users to customize applications to meet specific business needs. The level of customization depends on the platform, but advanced platforms provide a high degree of freedom, allowing users to configure applications on the fly.

**Innovation at Speed:** LCNC platforms enable developers to prototype their ideas quickly, providing a clear demonstration of project feasibility to executives. This rapid innovation cycle is further enhanced by the platform's configurability, which enables real-time adjustments and improvements during the development process.

**Improved Customer Experience:** With the rise of omnichannel services, LCNC platforms make it easier to integrate various systems, providing a consistent and seamless customer experience across all digital touchpoints.

**Cost Savings and Reduced IT Infrastructure Needs:** Many LCNC platforms are cloud-based, reducing the need for expensive on-premise infrastructure. This scalability allows organizations to innovate faster while keeping IT staffing and infrastructure costs down.

**Increased Efficiency:** Low-code and no-code platforms allow business teams to develop their own

applications, addressing operational challenges without relying heavily on IT departments. This self-service capability leads to greater productivity across the organization.

**Governance and Compliance:** LCNC platforms provide centralized control over application portfolios, allowing IT teams to ensure compliance with industry regulations while maintaining security protocols.

**Easier Debugging:** Traditional codebases can be difficult to understand and maintain due to their complexity and the involvement of multiple developers. LCNC platforms simplify this process, making it easier to identify and fix bugs.

**Greater Agility:** As businesses face rapid market shifts, LCNC tools empower them to adapt quickly by enabling rapid deployment of applications that address new opportunities or challenges.

### Challenges and Considerations

While LCNC platforms offer significant advantages, they are not without challenges:

**Reduced Flexibility:** Traditional coding allows developers to build highly customized solutions, whereas LCNC platforms may limit customization options. This is especially true for complex, enterprise-wide applications that require specific functionalities not offered by LCNC tools. However, this limitation can often be addressed through tenancy extensions, allowing users to tweak platform behavior with scripting languages.

**Security and Risk:** LCNC platforms are highly dependent on their providers to manage security and updates. Businesses relying on third-party LCNC platforms could face significant risks if these providers discontinue services or fail to address security vulnerabilities in a timely manner.

**Vendor Lock-In:** Organizations that build their applications on a specific LCNC platform may find it difficult to switch to another provider without significant cost and effort. This increases reliance on the chosen vendor, though this risk is mitigated for organizations developing in-house LCNC solutions.

### A New Era of Software Development

“Despite these challenges, the benefits of LCNC platforms far outweigh the drawbacks for most businesses,” said Jason Indelicato. The shift from traditional coding to assembly and integration has paved the way for more collaborative, innovative, and efficient workflows. As businesses embrace digital transformation, the ability to quickly develop and deploy applications becomes increasingly critical to maintaining a competitive edge.

### LCNC in Action: NIC's ServicePlus Platform

An exemplary case of LCNC's potential is NIC's ServicePlus platform—a metadata-based, open-

source LCNC platform designed to streamline the rollout of online services. ServicePlus offers a configurable framework for service delivery and grievance redressal, allowing rapid deployment of e-services at any level of government. With over 2,300 e-services available, the platform has been adopted by 33 states and Union Territories, processing and delivering millions of applications each month.

“ServicePlus exemplifies the versatility and efficiency of LCNC platforms, demonstrating how they can be utilized to improve governance, enhance customer experience, and reduce operational complexity,” said Jason.

## The Future of Low-Code No-Code

As LCNC platforms continue to evolve, their role in software development will only grow. The future of application development lies in the hands of both professional developers and business users, as these platforms democratize the process of creating digital solutions. Businesses of all sizes are poised to benefit from the agility, efficiency, and innovation that LCNC platforms provide, making them a critical component of the modern digital workplace.

According to Jason Indelicato, ultimately, the decision to adopt an LCNC platform depends on each organization’s specific needs and goals. For businesses looking to accelerate their digital transformation, LCNC platforms offer a powerful toolset to build scalable, secure, and adaptable applications in record time.

### About Jason Indelicato

Jason Indelicato is a highly experienced technology leader with over 26 years in software engineering and management. As the CEO and CTO of Vantage Custom Software, Jason oversees a team of skilled technologists focused on delivering cutting-edge web, mobile, and enterprise solutions to clients globally.

### About Vantage Custom Software

Vantage Custom Software is a premier provider of custom software solutions, specializing in web, mobile, and enterprise applications, as well as system integration and cloud services.

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