

# Citizen Development



Citizen developers are already utilizing zero-code platforms to build their own apps. Similarly, organizations can deploy a zero-code platform to accelerate the development of their enterprise apps. Enterprise apps are a necessity for every business in the digital age. Using enterprise apps, employees and business leaders can work remotely and integrate critical data with their business systems. For adopting such apps, organizations generally purchase or subscribe to off-the-shelf, one-size-fits-all apps for their employees. Off-the-shelf apps can be expensive and often fail to deliver the required results. Additionally, such apps provide little to no customization, affecting overall employee experience. Hence, organizations are always searching for better alternatives to develop high-end enterprise apps. One such alternative that every business leader must look into is zero-code platform. A zero-code platform is a feasible app development solution that delivers advanced and user-friendly enterprise applications. A zero-code platform enables business leaders and employees to develop their own enterprise apps without any technical knowledge. Such platforms contain intuitive drop-down menus and app module interface for simplifying app development. With a zero-code platform, organizations can easily create numerous customizable

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enterprise applications for their employees. Due to simplified app development, zero-code platforms have the potential to decentralize enterprise app development for several organizations.

## **A zero-code platform can benefit business organizations in the following ways:**

### **Personalizing App Development**

A zero-code platform can enable business leaders and employees to develop custom apps that cater to specific employee requirements. For instance, employees who suffer from color blindness may have difficulties using certain apps. For such employees, business leaders can design [apps](#) with specific color schemes for their condition or add an option to select different themes. Generic enterprise apps do not offer such employee-specific personalization. Hence, developing apps with a zero-code platform can deliver a better employee experience compared to off-the-shelf apps. Business leaders can also have a consistent look for all of their enterprise apps with a zero-code platform. For this purpose, business leaders can select specific UI elements such as color schemes, icons, app layout, and navigation. Also, organizations can add extra features to their apps that are not available on other enterprise apps for enhanced functionality.

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## Reducing Development Costs

Organizations usually hire an in-house team of developers or enterprise architects for digital transformation and enterprise app development. Hiring an in-house team is an additional expense for every business. For small and medium businesses, managing the expenses for an in-house team along with other expenses can be extremely stressful. Alternatively, some organizations delegate app development tasks to their IT teams. Although IT professionals can develop enterprise apps, managing core tasks along with app development can be complicated. Organizations may also need to train their IT professionals for building enterprise apps. Additionally, various hidden costs and technicalities are involved in app development. Hence, business leaders have to take these extra expenses into account. Developing apps using a zero-code platform is an inexpensive solution. Several zero-code platforms offer a 'pay for what you use' model for app development. Business leaders don't have to pay licensing fees or buy expensive app bundles, unlike some off-the-shelf enterprise tools. The costs involved in developing enterprise apps for zero-code platforms are completely transparent to avoid any possibility of hidden costs. Hence, using a zero-code platform is always affordable for businesses.

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## Improving Agility

Every organization needs multiple enterprise apps for various business workflows. These apps must be altered according to the changes in regulations or changes in the industry. For example, a manufacturing organization can use a checklist management app for regulatory compliance. In case any regulations are changed or new regulations are introduced, the app will need to be altered accordingly. Likewise, several enterprise apps may need new elements in their enterprise app or changes in app behavior. To integrate such changes, organizations have to keep track of upcoming industry changes and new regulations. Then, organizations can edit app modules of their

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need new elements in their enterprise app or changes in app behavior. To integrate such changes, organizations have to keep enterprise apps to incorporate required changes and rebuild the app with a zero-code platform. With this approach, organisations can adapt to upcoming changes without affecting their business operations.

## **Increasing Productivity**

Multiple departments in an organization need to request their IT team for enterprise app development. IT professionals have to develop several apps for different departments along with other tasks such as cybersecurity and software updates. As a result, high demand of apps creates a bottleneck that IT professionals find impossible to keep up with. This bottleneck creates an app development backlog for the IT team. Also, app development is an extensive process with multiple stages such as coding, compiling, testing, public beta testing, reviewing feedback, and eliminating bugs before releasing the final app. Considering the sheer volume of app demands, the entire process can be time-consuming for IT staff. Hence, every department has to wait for IT professionals to develop enterprise apps affecting the productivity of the entire department. A zero-code platform will enable department heads to create custom apps for their department based on their requirements. With this approach, every department can rapidly develop their own enterprise

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app. By creating apps with a zero-code platform, departments can improve their productivity and reduce the overwhelming volume of app demands for IT staff.

## Cutting out the Middleman

Several organizations outsource enterprise app development to app development firms. A major concern in outsourcing enterprise app development is expectation mismatch. The developers create an enterprise app that is different from what the business owner wanted. For instance, an organization outsourced a location-based work check-in and check-out app to an app development firm. But, the developers created an app that tracks location even after the employees have checked-out. Employees may be concerned while using this app as it invades their privacy. Likewise, expectation mismatch is a common occurrence in enterprise app development. After identifying such flaws, developers have to reprogram and test apps again, resulting in a slow app development process. The utilization of a zero-code platform will eliminate the middleman and the expectation mismatch altogether. With a zero-code platform, business leaders and department heads can create apps that cater to their requirements and test these apps for evaluation. In case an app doesn't align with the employees' and department head's requirements, reprogramming apps using a zero-code platform is remarkably simple. Also, testing and redeveloping these apps will be more efficient as reprogramming enterprise apps with a zero-code platform is less time-consuming.

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## Developing Application Platform as a Service

Developers have to program multiple apps for different operating systems such as Android and iOS. Building multiple apps for different platforms and operating systems can be a tedious task. In this scenario, a zero-code platform can be used to develop an Application Platform as a Service (APaaS). APaaS can enable end-users to access enterprise apps via their browsers. By leveraging APaaS, business leaders can easily develop a single platform-independent app for all operating systems. These apps can easily integrate with complex business systems using cloud servers.

## Maintaining App Performance

Another major aspect of enterprise app development is maintenance. Every organization needs frequent security and performance checks to identify bugs and glitches. For this purpose, business

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leaders and departments can ask for feedback about app performance and apparent glitches from their employees. After reviewing the feedback, business leaders can rebuild the enterprise app with a zero-code platform to squash out bugs. Also, organizations can take suggestions from employees to understand how they can make their apps better. Then, organizations can evaluate these suggestions and conveniently introduce new features with a zero-code platform. Therefore, organizations can easily handle maintenance tasks and improve app performance with a zero-code platform. Along with these benefits, a zero-code platform offers built-in security and data integration capabilities for data-driven businesses. Hence, organizations can build and rebuild apps on the fly and accelerate digital transformation with a zero-code platform. With such great potential, zero-code platforms can democratize enterprise app development. Hence, business leaders must consider zero-code platforms for enterprise app development.



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## Citizen Development

### (Deltagende Udvikling)

Citizen-udviklere bruger allerede lav-kodeplatforme til at opbygge deres egne apps. På samme måde kan organisationer implementere en lav-kodeplatform for at fremskynde udviklingen af deres virksomhedsapps. Enterprise apps er en nødvendighed for enhver virksomhed i den digitale tidsalder. Ved hjælp af virksomhedsapps kan medarbejdere og virksomhedsledere arbejde eksternt og integrere kritiske data med deres forretningsystemer. For at vedtage sådanne apps køber organisationer generelt eller abonnerer på off-the-shelf, one-size-passes-alle apps til deres medarbejdere. Off-the-shelf apps kan være dyre og ofte undlader at levere de nødvendige resultater. Derudover giver sådanne apps lidt eller ingen tilpasning, der påvirker den samlede medarbejderoplevelse. Derfor søger organisationer altid efter bedre alternativer til at udvikle high-end enterprise apps. Et sådant alternativ, som enhver virksomhedsleder skal undersøge, er nul-koden platform. En nul-kode platform er en gennemførlig app udvikling løsning, der leverer

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avancerede og brugervenlige virksomhed applikationer. En lav-kodeplatform gør det muligt for virksomhedsledere og medarbejdere at udvikle deres egne virksomhedsapps uden teknisk viden. Sådanne platforme indeholder intuitive drop-down menuer og app modul interface for at forenkle app udvikling. Med en lav-kodeplatform kan organisationer nemt oprette talrige brugerdefinerede virksomhedsapplikationer til deres medarbejdere. På grund af forenklet appudvikling har lav-kodeplatforme potentialet til at decentralisere virksomhedens appudvikling til flere organisationer. En lav-kodeplatform kan gavne erhvervsorganisationer på følgende måder:

## **Tilpasning af Appudvikling**

En lav-kodeplatform kan gøre det muligt for virksomhedsledere og medarbejdere at udvikle brugerdefinerede apps, der imødekommer specifikke medarbejderkrav. For eksempel kan medarbejdere, der lider af farveblindhed, have problemer med at bruge visse apps. For sådanne medarbejdere kan virksomhedsledere designe apps med specifikke farveskemaer for deres tilstand eller tilføje en mulighed for at vælge forskellige temaer. Generiske virksomhedsapplikationer tilbyder ikke sådanne medarbejderspecifikke personaliseringer. Derfor kan udvikle apps med en lav-kodeplatform levere en bedre medarbejderoplevelse i forhold til off-the-shelf apps. Erhvervsledere kan også have et ensartet udseende for alle deres virksomheds apps med en nul-kode platform. Til dette formål kan virksomhedsledere vælge bestemte brugergrænseelementer som f.eks. Farveskemaer, ikoner, applayout og navigation. Organisationer kan også tilføje ekstra

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funktioner til deres apps, der ikke er tilgængelige i andre virksomhedsapps for forbedret funktionalitet.

## **Reducere udviklingsomkostningerne**

Organisationer ansætter normalt et internt team af udviklere eller virksomhedsarkitekter til digital transformation og virksomhedsapp udvikling. Ansættelse af et internt team er en ekstra udgift for enhver virksomhed. For små og mellemstore virksomheder kan administrering af udgifter til et internt team sammen med andre udgifter være yderst stressende. Alternativt delegerer nogle organisationer appudviklingsopgaver til deres it-teams. Selvom it-fagfolk kan udvikle virksomhedens apps, kan det være kompliceret at styre centrale opgaver sammen med appudvikling. Organisationer kan også have brug for at uddanne deres it-fagfolk til at opbygge virksomhedens apps. Derudover er forskellige skjulte omkostninger og tekniske aspekter involveret i app-udvikling. Derfor skal virksomhedsledere tage højde for disse ekstraudgifter. Udvikling af apps ved hjælp af en nul-kode platform er en billig løsning. Flere nulkodeplatforme tilbyder en 'pay for what you use' model til appudvikling. Erhvervsledere behøver ikke at betale licensgebyrer eller købe dyre apppakker, i modsætning til nogle off-the-shelf enterprise-værktøjer. Omkostningerne ved at udvikle virksomhedsapplikationer til nulkodeplatforme er helt gennemsigtige for at undgå muligheden for

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skjulte omkostninger. Derfor er det altid overkommeligt for virksomheder at bruge en lav-kodeplatform.

## **Forbedring af agility**

Hver organisation har brug for flere virksomhedsapplikationer til forskellige forretningsarbejdsprocesser. Disse apps skal ændres i overensstemmelse med ændringer i regler eller ændringer i branchen. For eksempel kan en fremstillingsorganisation bruge en tjeklisteadministrationsapp til overholdelse af lovgivningen. Hvis nogen regler ændres eller nye regler indføres, skal appen ændres i overensstemmelse hermed. På samme måde kan flere virksomheder apps have brug for nye elementer i deres virksomhedsapp eller ændringer i appadfærd. For at integrere sådanne ændringer skal organisationer holde øje med kommende industriændringer og nye regler. Derefter kan organisationer redigere appmoduler i deres virksomhedsapps for at indarbejde de nødvendige ændringer og genopbygge appen med en lav-kodeplatform. Med denne tilgang kan organisationer tilpasse sig kommende ændringer uden at påvirke deres forretningsaktiviteter.

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## Øget produktivitet

Flere afdelinger i en organisation skal anmode om deres it-team til udvikling af enterprise app. IT-fagfolk skal udvikle flere

## Skære Mellemanden

Flere organisationer outsourcer virksomhedens appudvikling til applikationsudviklingsfirmaer. En stor bekymring i outsourcing virksomhedsapp udvikling er forventning mismatch. Udviklerne opretter en virksomhedsapp, der adskiller sig fra, hvad virksomhedsejerne ønskede. For eksempel har en organisation outsourcet en lokationsbaseret arbejdsinspektion og udtjekning-app til et appudviklingsfirma. Men udviklerne skabte en app, der sporer placering, selv efter at medarbejderne

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har checket ud. Medarbejdere kan være bekymrede, mens de bruger denne app, da det invaderer deres privatliv. Ligeledes er forventnings mismatch en almindelig forekomst i

virksomhedens appudvikling. Efter at have identificeret sådanne fejl skal udviklere omprogrammere og teste apps igen, hvilket resulterer i en langsom appudviklingsproces.

Udnyttelsen af en lav-kode platform vil eliminere mellemmanden og forventnings mismatch helt og holdent. Med en lav-kodeplatform kan virksomhedsledere og afdelingsleder oprette apps, der imødekommer deres krav og teste disse apps til evaluering. Hvis en app ikke er i overensstemmelse med medarbejder- og afdelingslederens krav, er det remarkably enkelt at omprogrammere apps ved hjælp af en lav-kodeplatform. Testning og ombygning af disse apps vil også være mere effektiv, da omprogrammering af enterprise apps med en lav-kodeplatform er mindre tidskrævende.

## **Udvikling af applikationsplatform som en service**

Udviklere skal programmere flere apps til forskellige operativsystemer som f.eks. Android og iOS. At opbygge flere apps til forskellige platforme og operativsystemer kan være en kedelig opgave. I dette

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scenario kan en lav-kodeplatform bruges til at udvikle en applikationsplatform som en service (APaaS). APaaS kan gøre det muligt for slutbrugere at få adgang til virksomhedens apps via deres browsere. Ved at udnytte APaaS kan virksomhedsledere nemt udvikle en enkelt platformsafhængig app til alle operativsystemer. Disse apps kan nemt integreres med komplekse forretningssystemer, der bruger cloud-servere.

## **Vedligeholdelse af App Performance**

Et andet vigtigt aspekt af virksomhedens appudvikling er vedligeholdelse. Hver organisation har brug for hyppige sikkerheds- og præstationskontrol for at identificere fejl og fejl. Til dette formål kan virksomhedsledere og -afdelinger anmode om tilbagemelding om app-ydeevne og tilsyneladende fejl fra deres medarbejdere. Efter at have gennemgået tilbagemeldingen kan virksomhedsledere genopbygge virksomhedens app med en lav-kodeplatform til at squash out bugs. Organisationer kan også tage forslag fra medarbejdere for at forstå, hvordan de kan forbedre deres apps. Derefter kan organisationer evaluere disse forslag og bekvemt introducere nye funktioner med en nul-kode platform. Derfor kan organisationer nemt håndtere vedligeholdelsesopgaver og forbedre appydelsen med en lav-kodeplatform. Sammen med disse fordele tilbyder en lav-kodeplatform indbyggede sikkerheds- og dataintegrationsfunktioner til data-drevne virksomheder. Derfor kan organisationer bygge og genopbygge apps på flugt og accelerere digital transformation med en nul-kode platform. Med så stort potentiale kan nulkodeplatforme demokratisere virksomhedens appudvikling. Derfor skal virksomhedsledere overveje nulkodeplatforme til udvikling af virksomhedsapplikationer.

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