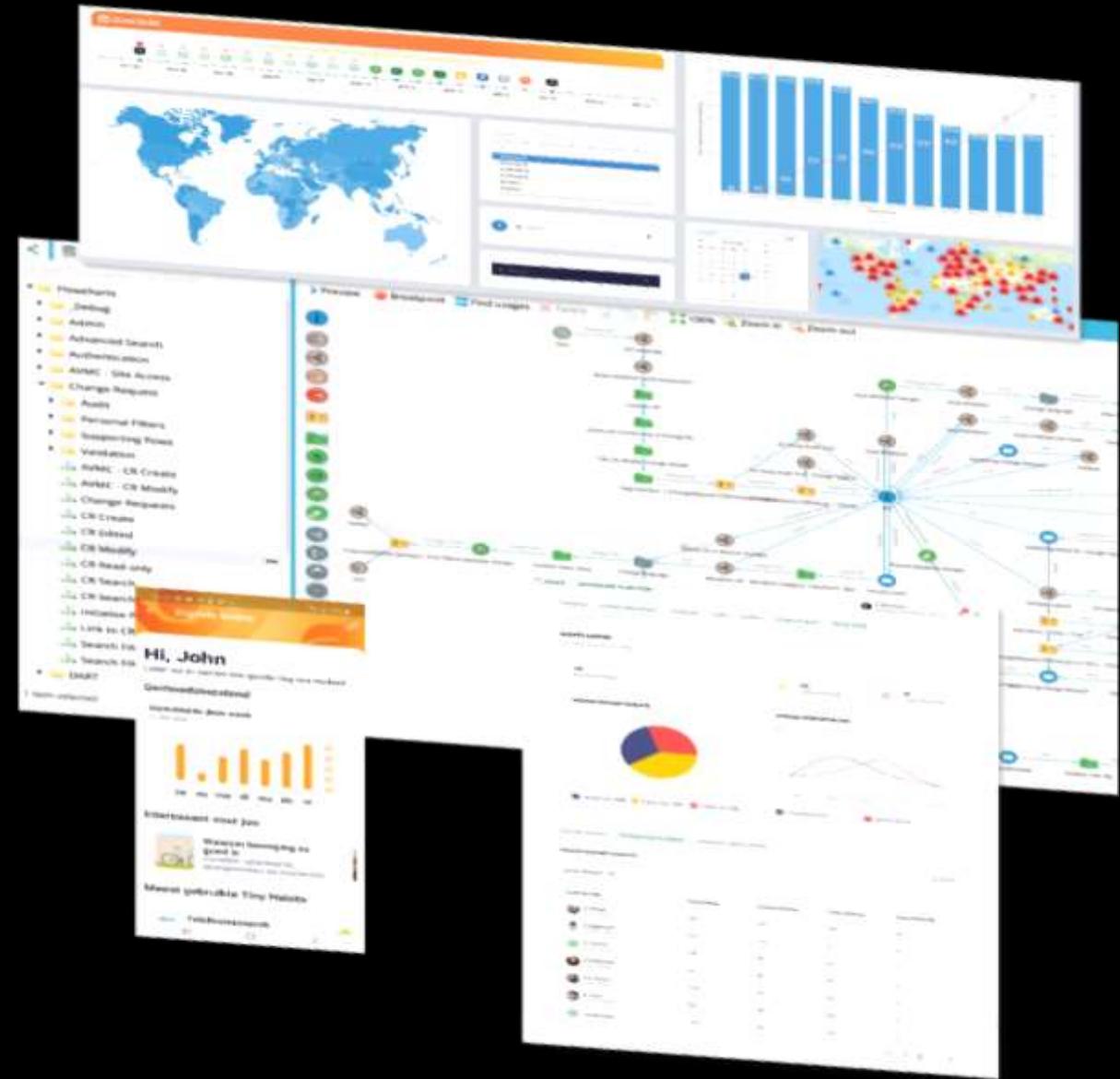




# S-Square - LowCode/NoCode (LC/NC) Enabling Technology Presentation

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# Current Challenges in Traditional Application Development

## Long Development Timelines

- Custom development with standard SDLC processes
- Long incubation period before seeing a MVP
- Minor changes require long turn around time for design, build and testing.

## High Capital Expenditure and Operating Costs

- Investment in Software platforms and Infrastructure for custom development
- Higher support costs due to diverse support requirements

## Disparate Technology Landscape

- Multiple small projects using disparate technologies
- No uniform platform to manage small developments

## Developer Shortages

- Developer shortages and skill-set challenges
- Multiple small productivity projects get deprioritized

# 6 Generations of Programming Languages

First generation (1GL) - machine-level programming language used to program first-generation computers

Examples: machine-level programming languages

Second generation (2GL) - assembly languages. Examples: Assembly

Third generation (3GL) - more machine-independent (portable) and more abstract therefore more programmer-friendly than previous generations of languages

Examples: Fortran, COBOL, BASIC, Pascal, C, C++, Perl, Python, Java, JavaScript, Ruby, PHP, C#

Fourth generation (4GL) - include support for database management, report generation, mathematical optimization, GUI development, or web development. Examples: ABAP, Unix Shell, SQL, PL/SQL, Oracle Reports, R

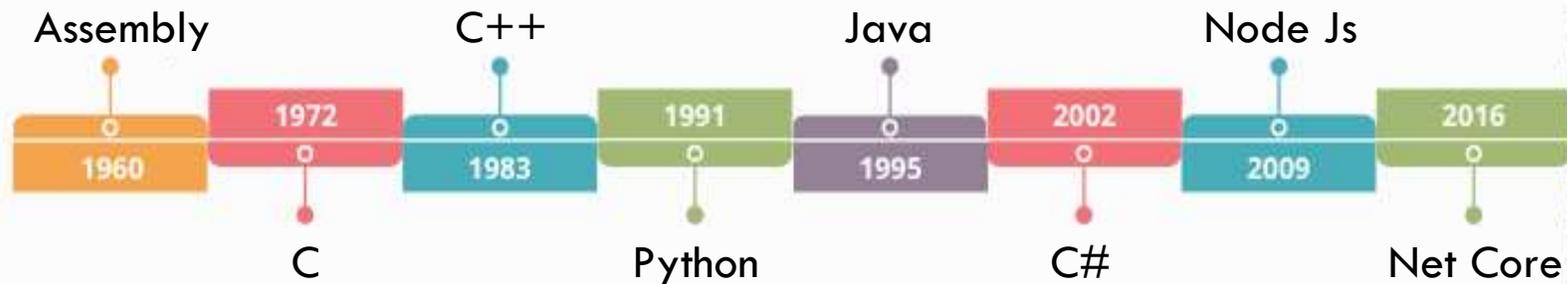
Fifth generation (5GL) - any programming language based on problem-solving using constraints given to the program to make the computer solve a given problem without the programmer, rather than using an algorithm written by a programmer. Examples: Prolog, OPS5, Mercury

Sixth generation (6GL) - programming language based on visual development. The overall umbrella term for these is "NoCode". Examples: Appian, WEM.io, Bubble.io

# Reinventing Software Development

## Traditional Coding

Requiring expensive, hard to retain code-linguists



Traditional computer languages require programmers to translate their thinking process into code built for the CPU and memory

## No-Code

Empowering transforming support to employ business-knowledgeable techno-functional resources



Optimized for how we humans think. Converting natural thinking process into working software

# Digital Transformation. Legacy Modernization. Business Velocity.

# 80%

## COST REDUCTION

Empowers employing business knowledgeable (techno-functional) resources instead of costly, hard to retain code-linguists to build, deploy and maintain secure scalable enterprise-grade software.

# 10%

## FASTER TIME-TO-MARKET

View app development in real-time. Deploy and update applications with a single click. Deliver software 10 times faster than traditional programming methods.

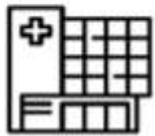
# 100%

## ALIGNED TO BUSINESS

Translate innovative business ideas to custom software built with no code app builder at the speed of, and fully aligned with, business requirements.



Banks,  
Financial  
Services and  
Insurance >



Healthcare >



Telecommunication  
>



Education &  
Training >



Manufacturing  
>



Public Sector  
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Automotive  
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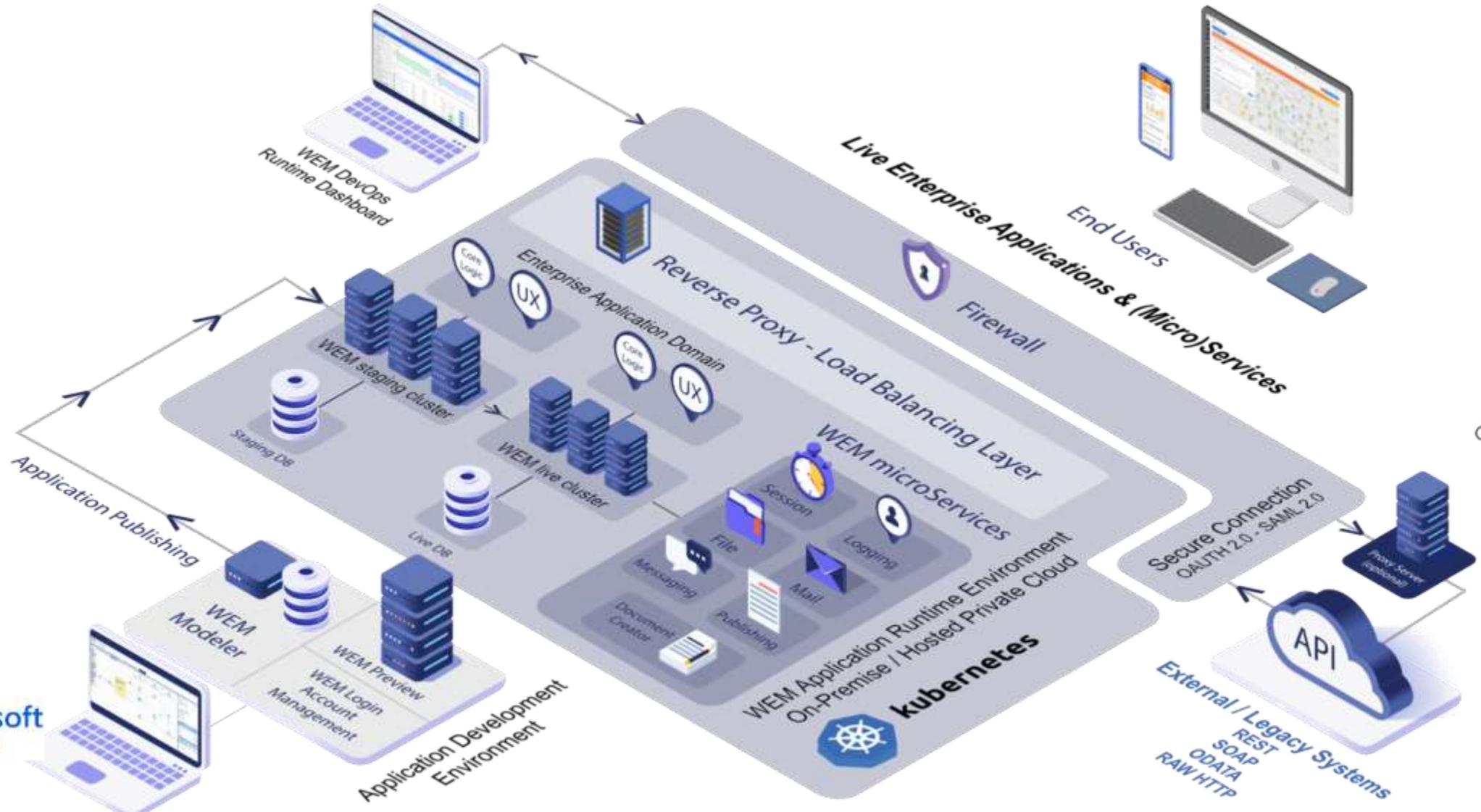


Real Estate  
>

# SCALABLE, SECURE CLOUD ARCHITECTURE



Google Cloud Platform



FLEXIBLE DEPLOYMENT OPTIONS FOR SHARED HOSTING, ON-PREMISE APPLIANCE AND PRIVATE APPLICATION CLOUD

# 3<sup>rd</sup> Party LCNC Marketplace Product Evaluation



Criteria	WEM	Betty Blocks	Power Apps	OutSystems	Mendix
Category	No Code	Low code	Low code	Medium to high code	Low code
Platforms	Web, native apps	Web apps	Web, native apps	Web, native apps	Web, native apps
Data Model	Drag & Drop	Visual Editor	Tables	Visual Editor	Visual editor
Visual Editor	Web-based	For backend apps	Web-based	Many designer	Web-based, desktop-based
Workflows	Drag & Drop	Action Modeler	MS Flow	Visual modeler	Visual modeler
Look & Feel	Custom templates	Custom js/css/html	Customizable	Custom js/css	Custom js/css
Environment	Public, private cloud, on premise	Public cloud, on premise	Public, private cloud, on premise	Public, private cloud, on premise	Public, private cloud, on premise
Release Management	Fully	Fully	Partially	Fully	Fully
Integration	All API standards	JSON, SOAP/REST	Office365, REST	SOAP/REST	SOAP/REST

# Use Case – BOOKING AND TENDERING APPLICATION

This is a solution for flight transport brokers offering a private flight chartering service as an alternative to commercial airlines. As a flight transport broker, they arrange for private plane operators to provide the private flight service according to the needs of individuals, organizations, and businesses.

## CUSTOMER CHALLENGES

- Integration with Zapier to connect with existing CRM systems
- Providing specific UI styling to be incorporated and integrated with the website

## WEM ADVANTAGES

- Rapid and cost-effective development that enabled the company to migrate away from their legacy system and to add improvements to their existing processes through the use of the automation available in the new application.
- Use of existing data from legacy systems/integration with legacy systems
- Cloud solution offers flexible workspaces (not tied to a location)
- Easy to extend the application
- Fast return on investment

## PROBLEM

The existing quote and ordering system had been customized from land transport to accommodate air transport. This was found to be inadequate and further customization was prohibitive. Quote calculations and the tendering process to engage flight operators required manual intervention.

## SOLUTION

The new application provided a fully integrated system including quotations, triage, tendering, ordering, and service delivery management. Quotations were provided on default plane configurations required by the request. Upon confirmation to proceed, a tendering process with the flight operators was conducted to obtain the optimal operator services to be presented for ordering. Upon ordering, confirmation was provided and a connection between the customer and the operator was initiated to prepare for the delivery of the service. Reference data of airfields/landing fields and operator fleet availability was maintained to ensure currency of information. The integration to various applications through “Zapier”, as a common mediator, while simultaneously maintaining current data in sync between new and existing applications hence enabling them to make complex applications.

# Representative WEM Enterprise Customers



# Thank You

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