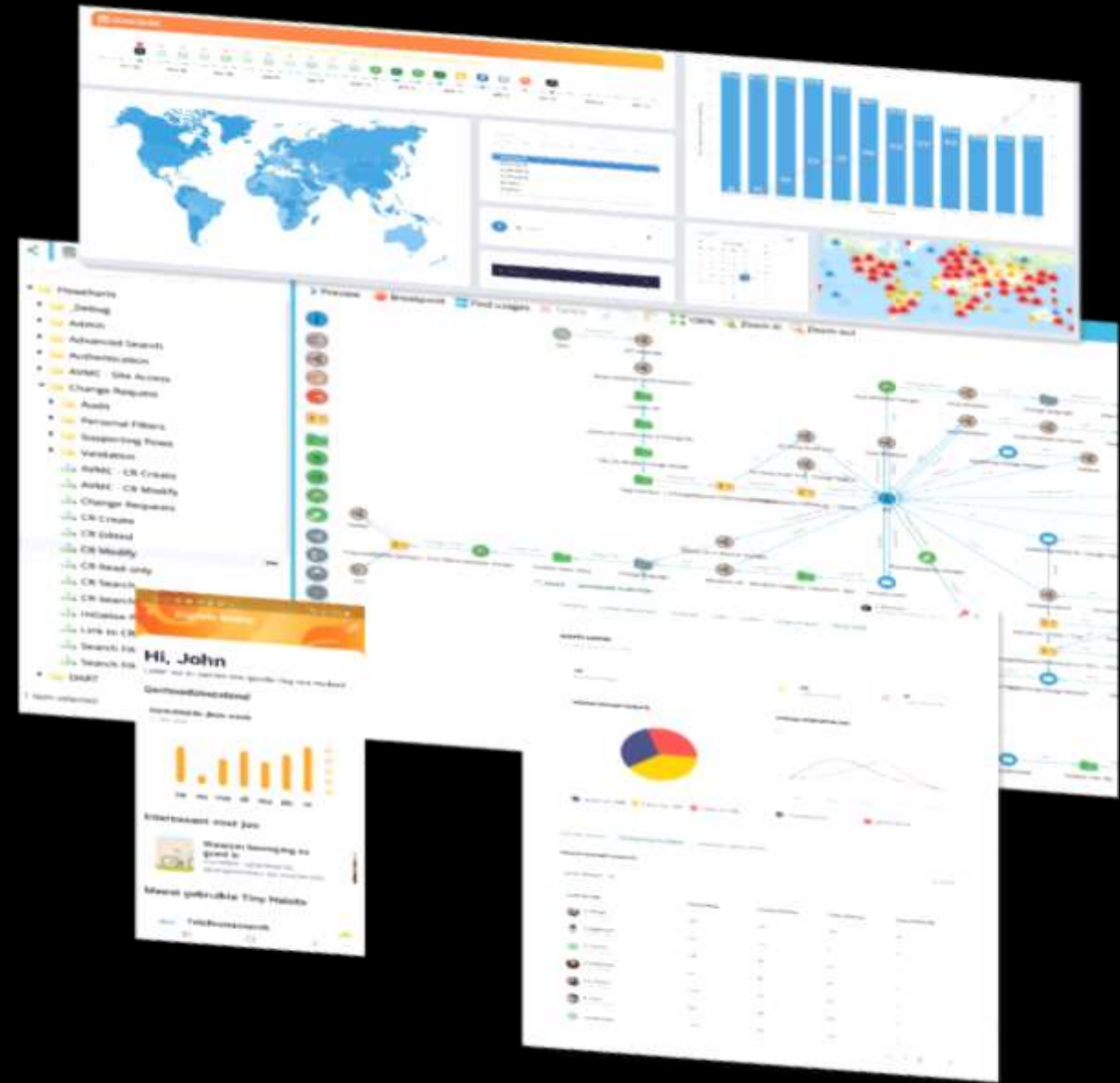




S-Square - LowCode/NoCode (LC/NC) Enabling Technology Presentation

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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

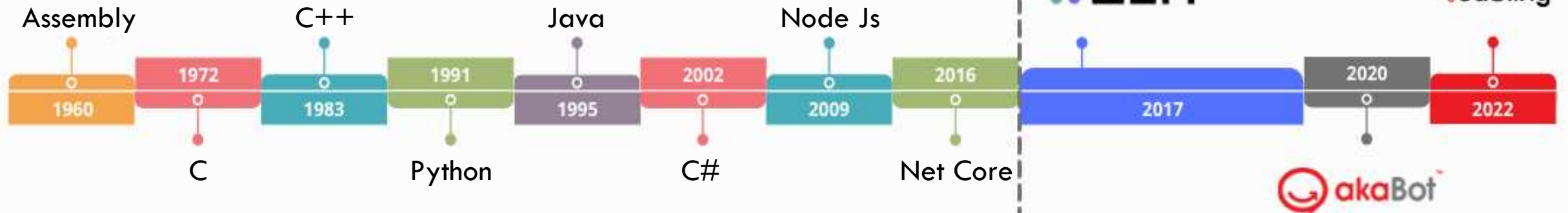
Reinventing Software Development

Traditional Coding

Requiring expensive, hard to retain code-linguists

No-Code

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



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

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
>



Automotive
>



Real Estate
>

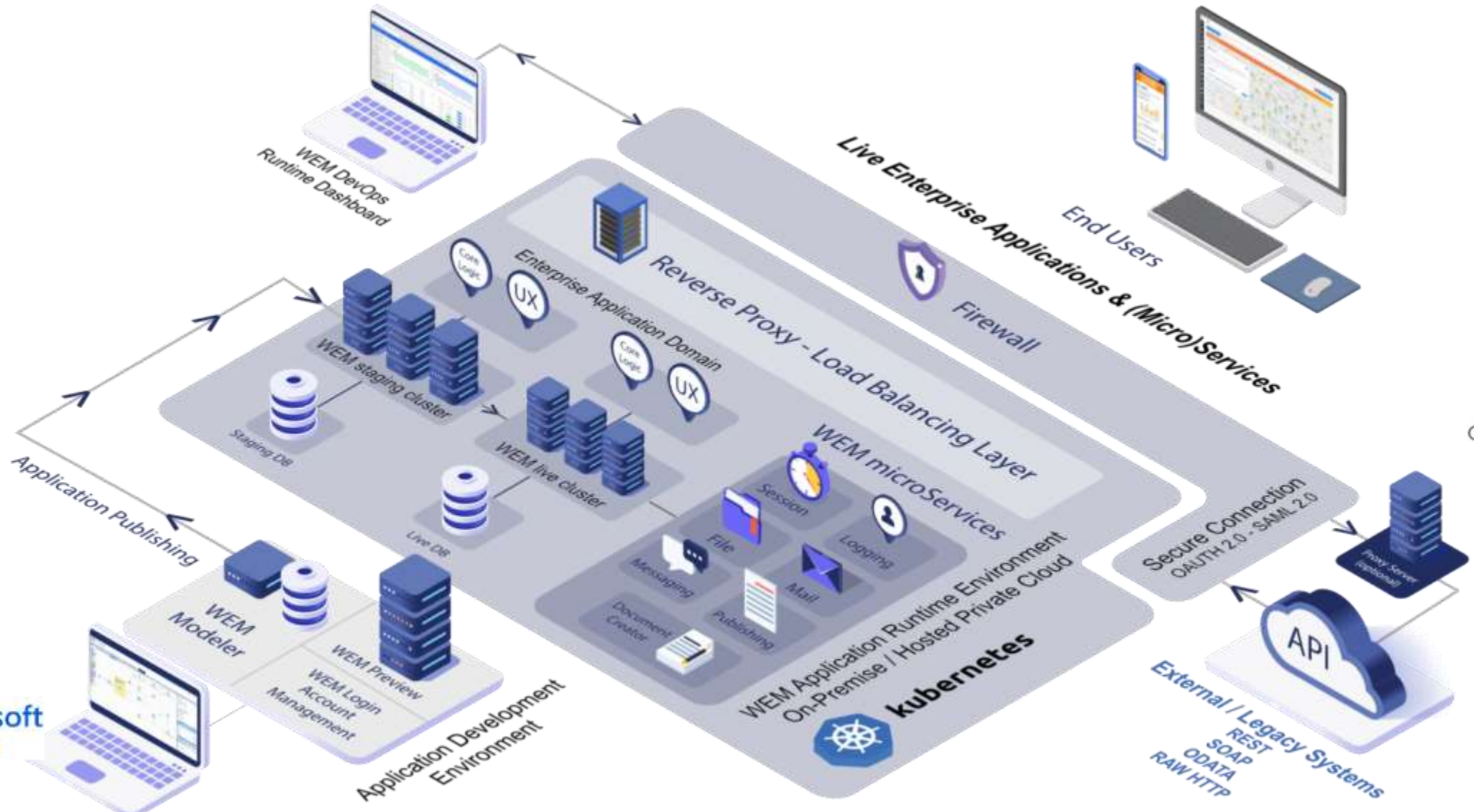
SCALABLE, SECURE CLOUD ARCHITECTURE



Google Cloud Platform



IBM Cloud



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

3rd 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 – Digital Transformation of Citizen Services

This is an organization under the municipality of the city which acts as an implementing body. This is a city and a municipality in the Netherlands. This city is known for its rich technological heritage and has given birth to several big technological innovations. This organization works towards domains like social support and care of the citizens, participation, income, and youth care.

PROBLEM

This organization wanted a new management system for the city as they realized that their city council had no insights into the performance of district teams which was partly due to the computer system set up by the municipality in the year 2013. Therefore, the municipality started a tender for a new management system which was to be built within very strict timelines.

SOLUTION

A new management system was built by the organization with WEM. The new management system is a complex, centralized, automated service management system with real-time monitoring and a custom dashboard. The new system has capabilities like mapping out living situations, drawing up plans, keeping records, and active monitoring on how their assigned residents or neighborhood team(s) are doing. This system led to a significant improvement in productivity & engagement with citizens. There is even an automatic reminder when action is needed. Communication with the new municipal care indication department, the service agency, also improved with the introduction of the new system. The new system also makes it easier to email residents a report of the conversation about their care demand. The system also encourages the team to keep the 'What Matters' plan up to date with each resident, which contains their personal goals. This is necessary, among other things, to give the municipality more total insight.

CUSTOMER CHALLENGES

- Complete digital transformation of citizen services and replacement of the already existing old system.
- Strict delivery timelines with consequences like lawsuits and penalties for missing them.
- Development of such a system was required which can give total insight into the performance of district teams and citizens with numerous features and capabilities.

WEM ADVANTAGES

- **From an old legacy system to an easy to use and no-code web environment to be maintained by non-IT skilled employees;**
- **Form and attachments no longer need to be submitted through separate channels, now it is all in one place.**
- **Agile development, week to week results, short time to market (live in 3 months);**
- **Use of existing data from legacy systems/integration with legacy systems;**
- **Cloud solution offers flexible workspaces (not tied to a location);**
- **An easy to extend application;**
- **Fast return on investment.**

Representative WEM Enterprise Customers



Thank You

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