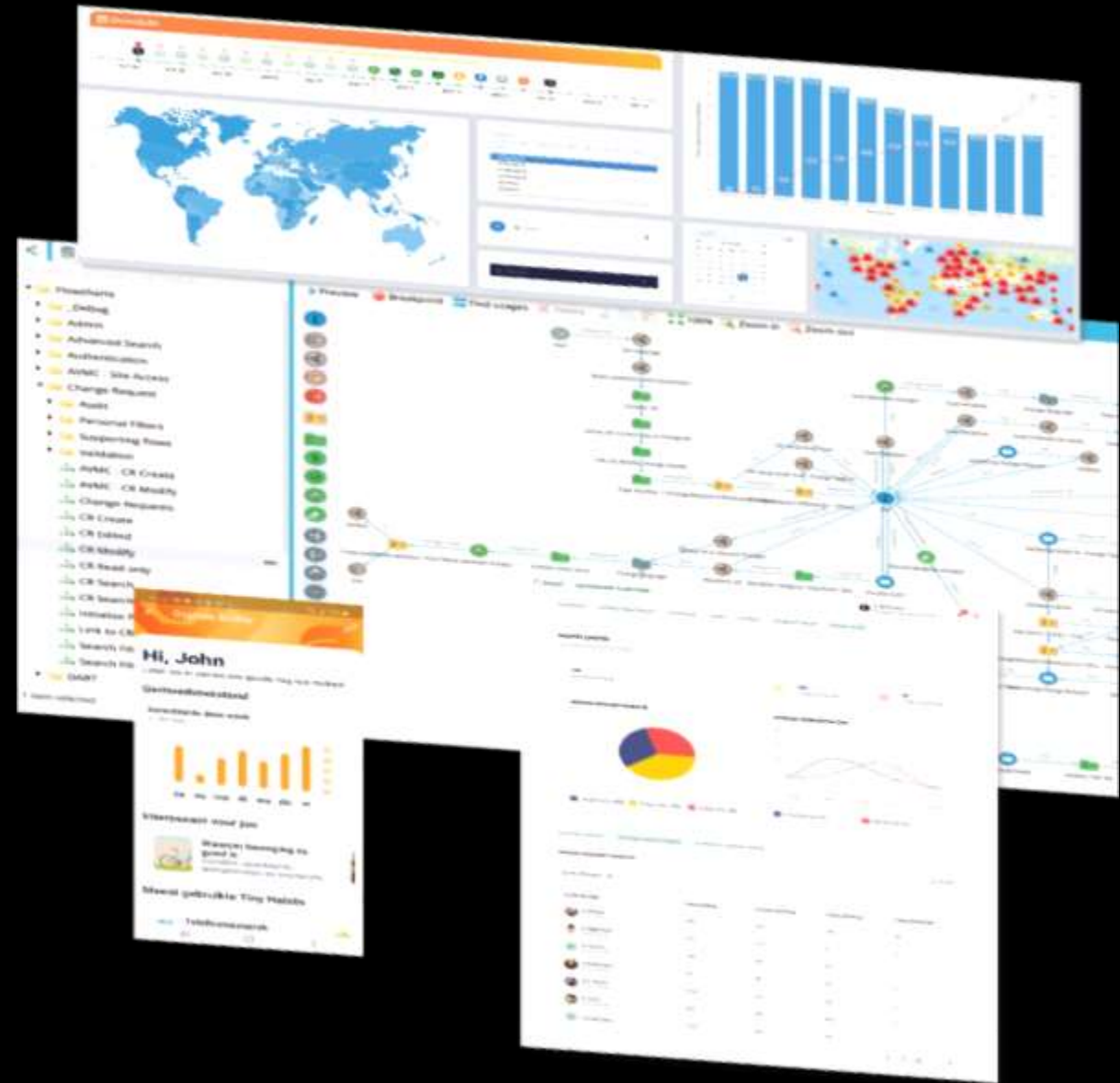




# S-Square - LowCode/NoCode (LC/NC) Enabling Technology Presentation

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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

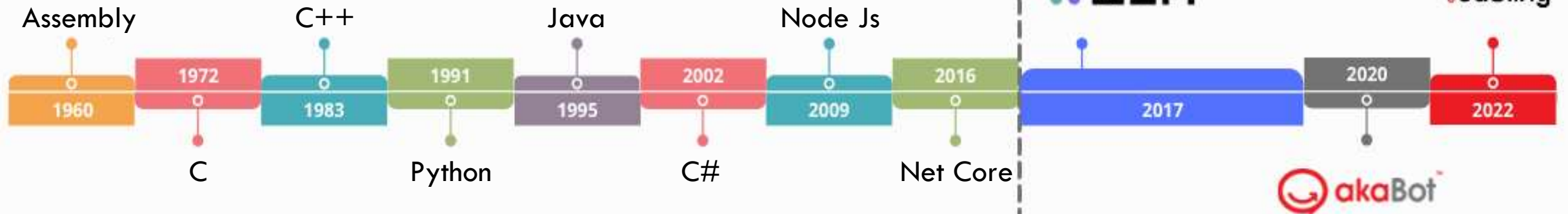
# Reinventing Software Development

## 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 >



Telecommunicator  
>



Education &  
Training >



Manufacturing  
>



Public Sector  
>



Automotive  
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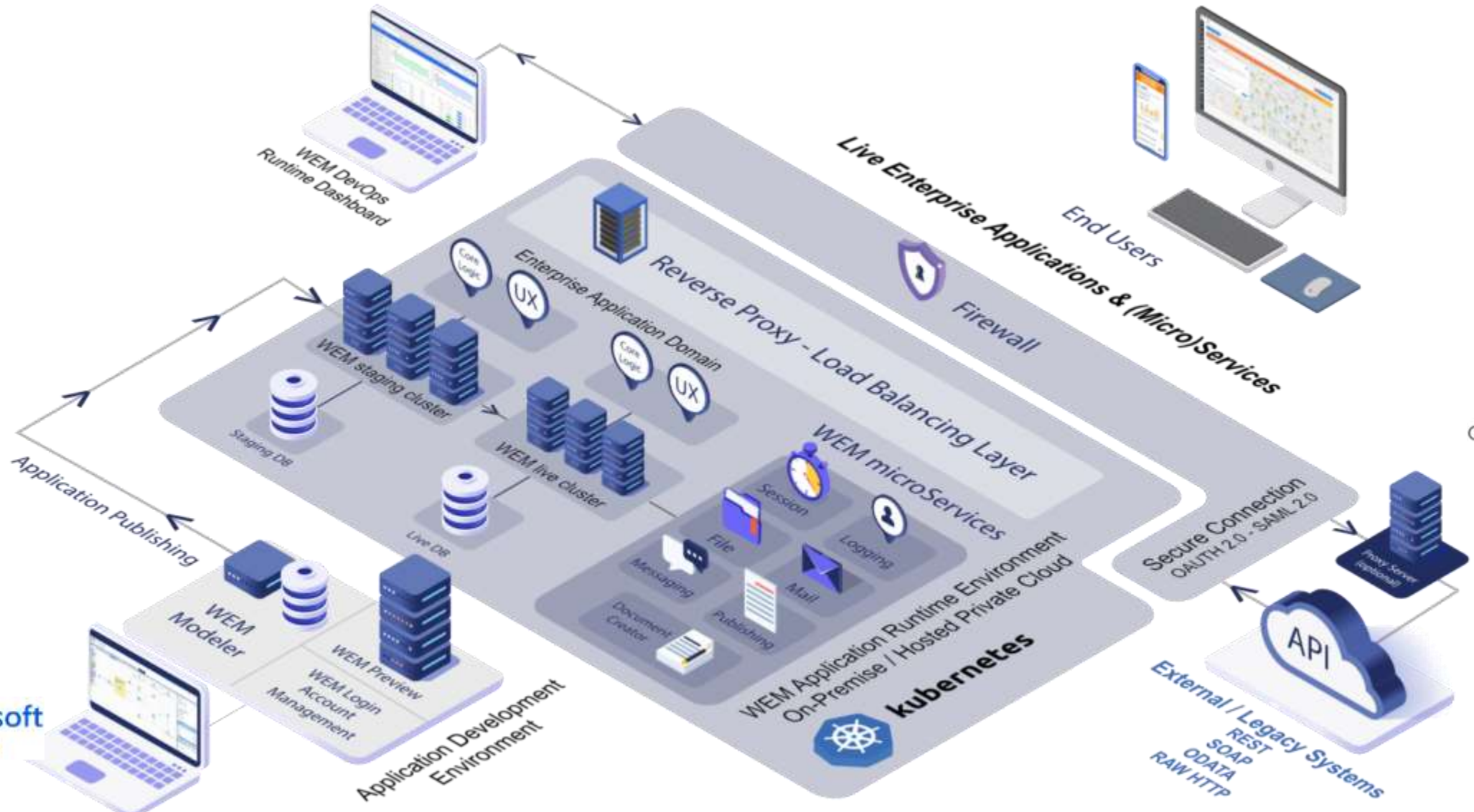


Real Estate  
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# SCALABLE, SECURE CLOUD ARCHITECTURE



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 – APPLICATION MODERNIZATION & DIGITAL TRANSFORMATION



India's third largest healthcare group, with network of 15 hospitals and 75,000+ beds, providing comprehensive care that is both curative and preventive in nature.

## PROBLEM

After Indian Govt announced COVID vaccinations and release of the COWIN portal, it was imperative health sector immediately take action conducting vaccination drives across the country. WEM selected over market competitors to build the **largest Inoculation Drive Management System**.

## SOLUTION

The entire vaccination drive management solution was **delivered in 2 weeks**. Application highlights included:

- Multiple Interfaces -
  - Public Booking interfaces
  - Hospital Admin Interfaces
- Desktop / Mobile compatible workflows
- Admin workflows -
  - Inventory management,
  - User management,
  - Campaign builder
  - Multiple hospital units onboarding
- Integrations -
  - Hospital HIS via Azure Tunneling
  - Payment Gateway (Razorpay)
  - SendGrid Email Service
  - HIS postback
- Logs and Reports -
  - Transaction Logs
  - Web Service Logs
  - Campaign Registrations

### CUSTOMER CHALLENGES

- Extremely challenging delivery schedule (matter of days)
- Large & Complex Scope + incorporating extensive change requests
- Integrations incl. requiring setting up an Azure Tunnel

### WEM ADVANTAGES

- High-Velocity Development:** WEM Visual coding allowed developing application's front end and back end at high speed.
- Low Resource Cost:** Required only 2 developers.
- Quick turnaround time for CRs:** Able to publish CRs faster, deploying entire application within 10 days incl. all changes.
- WEM Support:** WEM engineering team engaged related to payment gateway integration, providing a solution within 24hrs.
- Managed Hosting:** WEM one-click publishing to staging and production environment eliminated need for separate server setup/deployment.
- Seamless integration:** UI-based field mapping made integrations fast and accurate.
- Served as proof of concept/proof of value** for healthcare group's **aPaaS selection of WEM** over market competitors including MS Power Apps, Mendix and OutSystems.
- WEM LCNC selection** based on:
  - Integration capabilities with healthcare group's existing IT landscape
  - Speed at which 1<sup>st</sup> use case built and successfully implemented
  - Projection for overall IT 1/3 TCO reduction projection

**Healthcare group initiating 100+ use cases to achieve app modernization & digital transformation**



# Representative WEM Enterprise Customers



# Thank You

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