



APPLICATION DEVELOPMENT & MAINTENANCE

S-SQUARE DIGITAL TRANSFORMATION
& APPLICATION MODERNIZATION

MANAGED SERVICES UTILIZING  RedSling

NOCODE TECHNOLOGY

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Accelerate Productivity!

**Design - First
Approach**

**Visual
Development**

**Enterprise Web &
Mobile Applications**

**Zero Code
Lock-in**

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S-Square Managed Services- Core Competencies

CLOUD MIGRATIONS

S-Square is helping organizations migrate to cloud to maximize the value of IT investments.



BUSINESS ANALYTICS

We transform information into insight with our Big Data, Predictive and Healthcare Analytics solutions so you can make better business decisions.



APPLICATIONS DEVELOPMENT

We help Enterprise Applications, LCNC, Mobile & Web Development, UX strategy, UI Development and Microservices/APIs.



MANAGED SERVICES

Our managed services offerings are driven by uninterrupted customer satisfaction, flexibility, cost effectiveness, and attention to detail.

RPA (Robotic Process Automation), DevOps, Application Services, Database Services, Infrastructure and Network Services



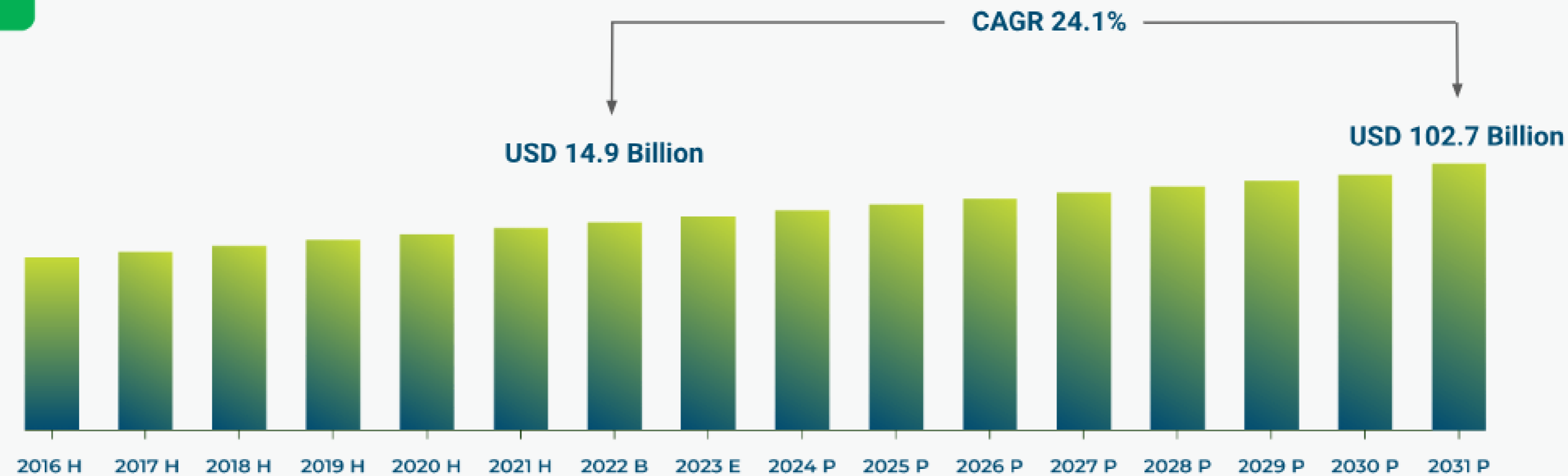
Market insights



No-code Development Platforms Market

Market Outlook

2023-2031



Global Market Size Forecast and Y-o-Y Growth 2022 to 2031 Infographic Data

75% of large enterprises will be using at least four low-code no-code development tools for IT application development & citizen development initiatives by 2024 ([Gartner](#))

75% of development shops now use low-code no-code platforms in 2023 (up from just 44% in 2020) ([Forrester](#))



redSling

Vision

Pioneering Simplicity. Enabling Innovation.

Mission

Revolutionize and simplify app development, accessible to all.

Our guiding principles

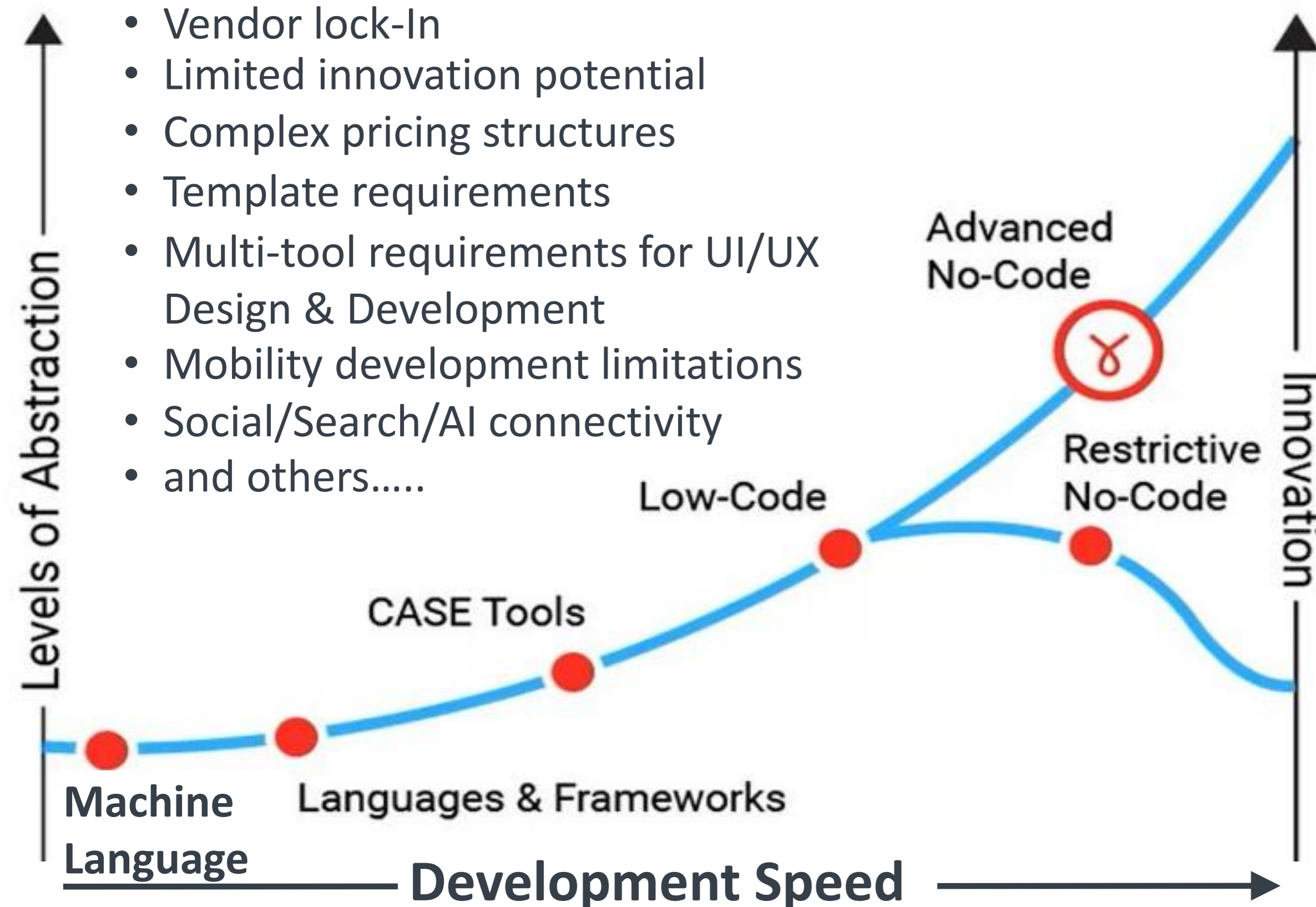
- Envision a future where technology is harnessed effortlessly, and innovation is limitless.
- Empower users with diverse backgrounds to turn their ideas into fully functional applications, eliminating the need for complex coding.
- Assure business velocity and lower TCO.
- Provide user-friendly environment that sparks creativity, accelerates projects, and transforms industries.



6th GL Changes the Calculus – Traditional Software Development is Slow, Expensive and Requires Specialized, Skilled Resources

1st Gen of No-Code = Restrictive No-Code

No-Code historically been synonymous with restrictions



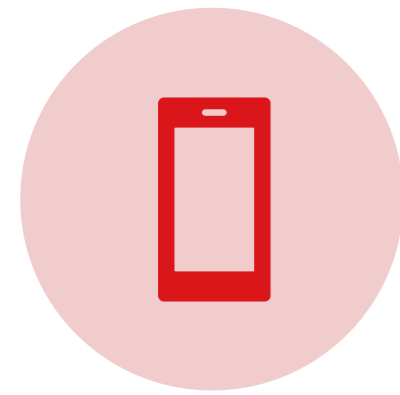
redSling is the industry's 1st Advanced No-Code

redSling is a revolutionary **advanced next-generation No-Code platform** designed to build **applications** and transform **enterprises**.

With freedom of design and creativity at it's core, redSling's **full-stack** interactive No-Code builder enables users to build **composable, scalable web and mobile enterprise applications** at high speed.

At the heart of redSling is **freedom** – **freedom to design, freedom to create and freedom to innovate**.

redSling uniqueness



Design first No-Code platform



No lock-in with code (iOS, Android, Web (frontend & backend))



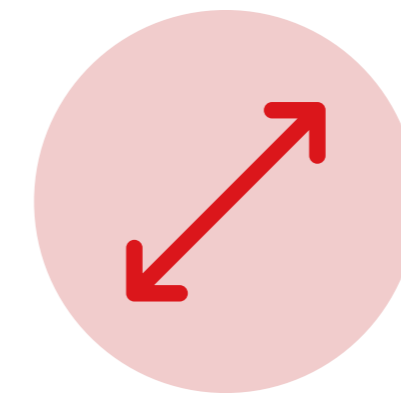
Designed for business users and experienced developers



Clear predictable pricing



Robust composable architecture enabling superfast development



Deploy each application anywhere (mobile & web app)

*“Build **beautiful** and **engaging** applications **fast** providing **solutions** to problems or enabling **innovations** that were previously **too costly** or **time consuming**”*

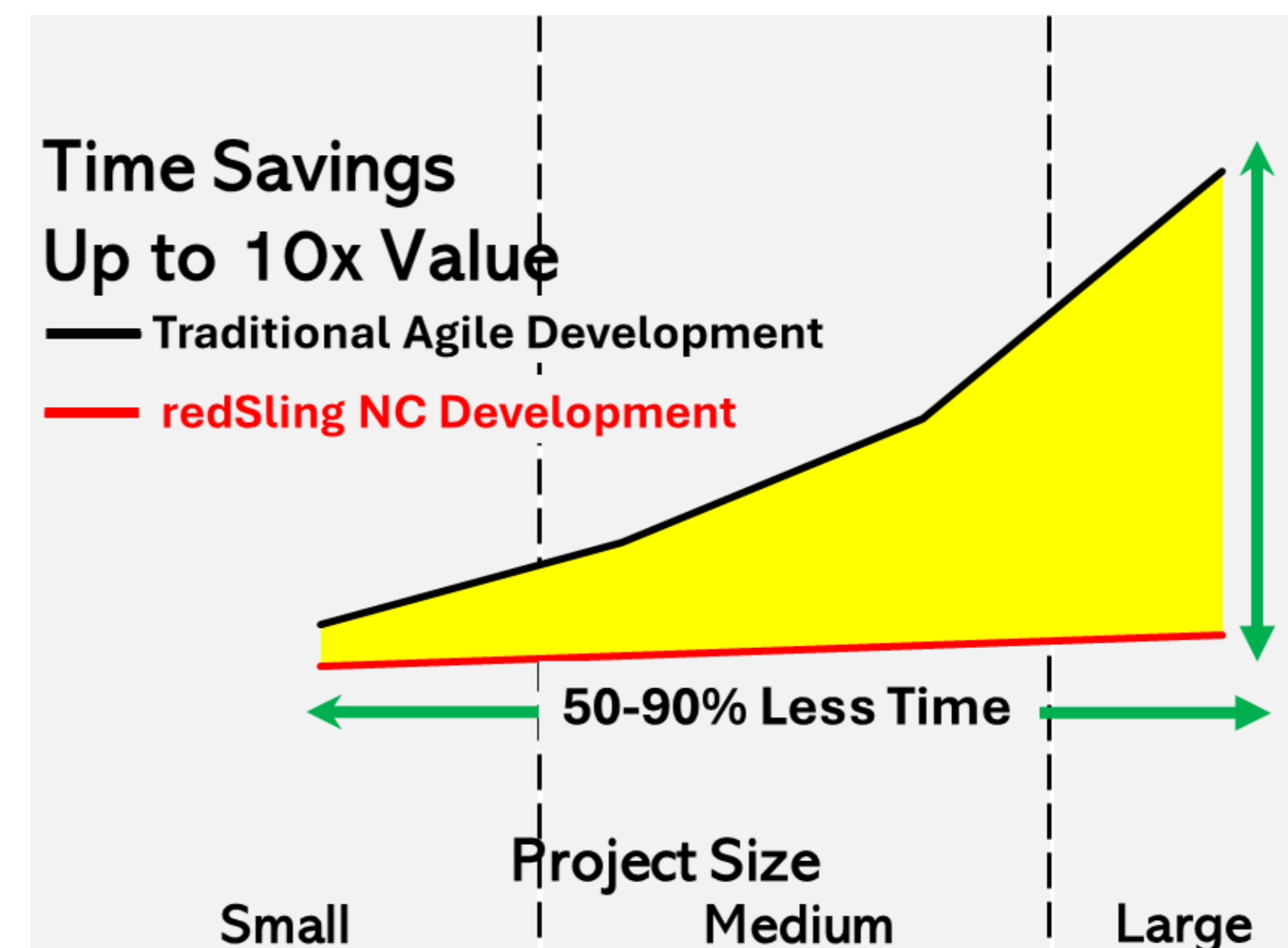
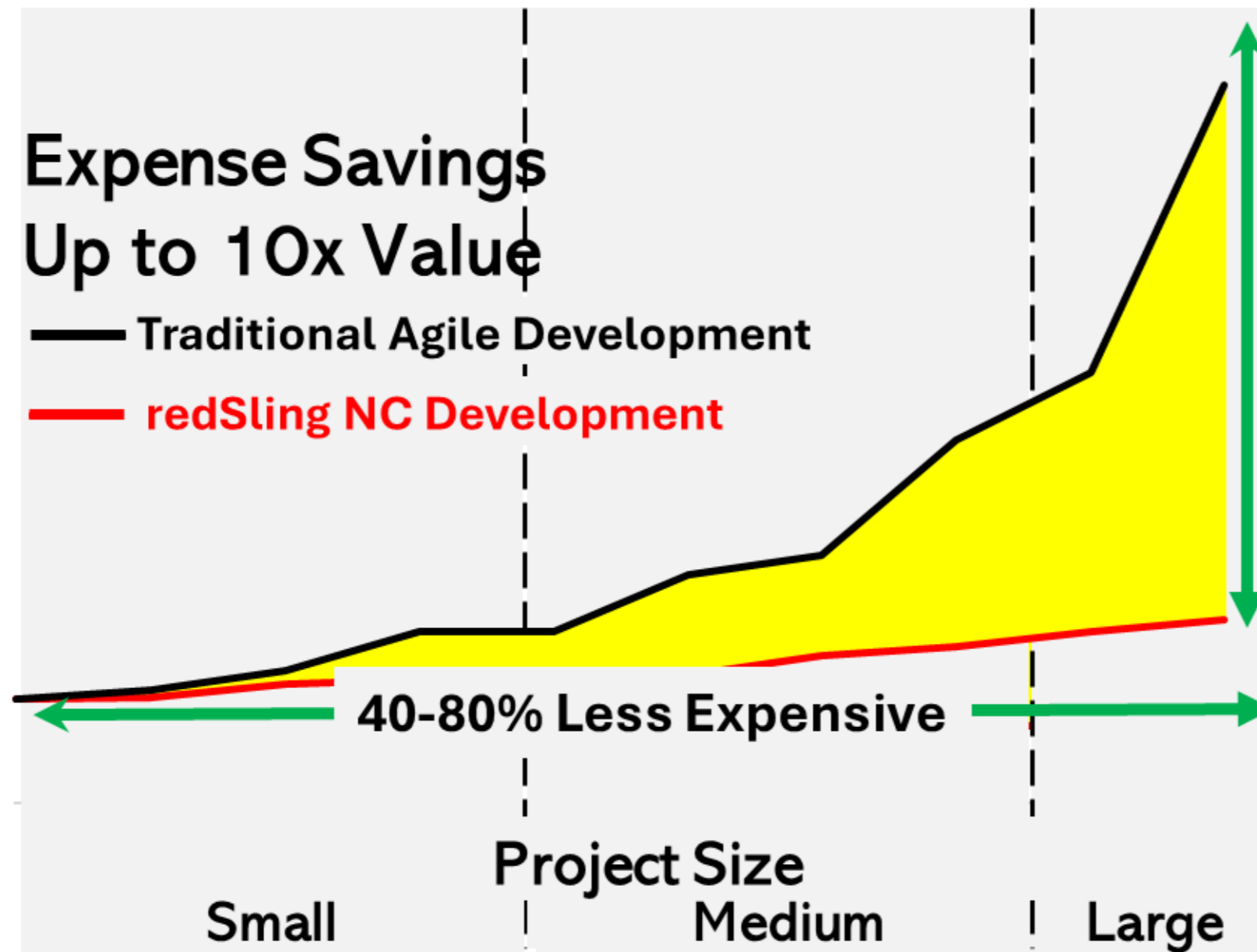
Transforming Time and Expense

When was last time IT industry had transformational ability to affect total development lifecycle reducing both time & expense?

Syntax traditional agile developers already know

Kubernetes architecture for containerized application development consistent with best DevOps practices

Platformless for deployment and runtime



redSling Application Development platform enables professional IT departments to move NoCode into their mainstream application development and maintenance toolkit.

No vendor lock-in

Straight-forward simple predictable pricing

Advanced NC eliminating restrictions of 1st gen NC

UX driven

Enterprise-grade architectural and security conformance

Enterprise engagements – **real, complex** **mission-critical solutions** while complying with best enterprise security standards

Enterprise Global Telco	New build of applications, MVPs by the Global app factory, and Labs
Largest applied research organization	3D Visualisation Platform (including 3D plotting and 3D modelling)
Largest global SI	Innovation Platform for all Platinum accounts in Europe
Largest Healthcare company in Asia Pacific	Application Modernization at scale (build outside of core SAP e.g Kiosk). More than 100 applications + integrations
Large Insurance company	Platform for application transformation and building microservices
Manufacturing Shop Floor	Used for robotics control
Banking/Finance	Bank Loan Origination and Servicing platform



redSling overview

Presentation blocks – *redSling builder*

Any look & feel , Search & Social ready

Application logic blocks – *redSling logic builder*

Complex calculations & logic

Data blocks - *redSling builder*

All relevant datatypes available

Integration REST

Integration & Management

- REST API (Others can be added as required)
- Automated Version Control (N, N-1, N-2)
- CICD enabled via bitbucket
- Microservices enabled
- Native integration with AI Chatbot (kore.ai), AI Data Platform (Snowflake), search, socials

Enhanced cyber security

- Enhanced API security - Runtime API and Rest API
- Data security - sensitive data can be hashed or encrypted before storage
- Platform runs within its own standalone isolated container and environment
- All input are treated as possible hostile to Cross-site scripting (XSS) – runtime escapes all user-generated content by default (whether this is part of the HTML, URL, XML, JavaScript, or JSON). HTML blobs (rich text user input) is sanitized using a whitelist before usage
- Synchronizer token pattern (STP) to mitigate CSRF attacks

Functions to secure data

- Hashing algorithms, like MD5, SHA265, HMACSHA265, PBKDF2
- Encryption/decryption using AES (with custom index vectors and keys)
- Authentication support with SAML 2.0, oAuth2.0
- Client and Server certificates
- Time-based One Time Password (TOTP)



redSling approach

Create Web App



View All Projects



Create A New Project



1

Create Mobile App



View All Projects



Create A New Project



Creating A New Project

2



Project Name

Project Base URLs

Project Analytics

Social Media IDs

Project Chatbot

Data Models

3

EXTERNAL DATA APIS

IMPORT FILE

CREATE NEW TABLE

redSling builder

DASHBOARD V4 - STYLING NOT OK

SCREENS 100%

redSling Demo Account Employee

- Dashboard >>
- Widgets >>
- General
- Calendar
- Chart
- UI Kits >>
- Bonus Ui >>
- Builders >>
- Animation >>
- Icons >>
- Buttons >>
- Forms >>
- Tables >>
- Pages >>
- Blogs >>

MyCompany
Siddhant Kate

- Profile
- Opportunities
- Resources
- Forum
- Invoices
- Messages
- Pricing

Summary			
Total Amount Invoiced	Pending Invoices	Active Prospects	Hot Leads
81000	7		

Partnership Details

Name	undefined
Company	undefined

Campaigns Sent

Amount Invoiced

- Design/Layouts >>
- Manage Traits >>
- Layer Manager >>
- Manage Styles >>

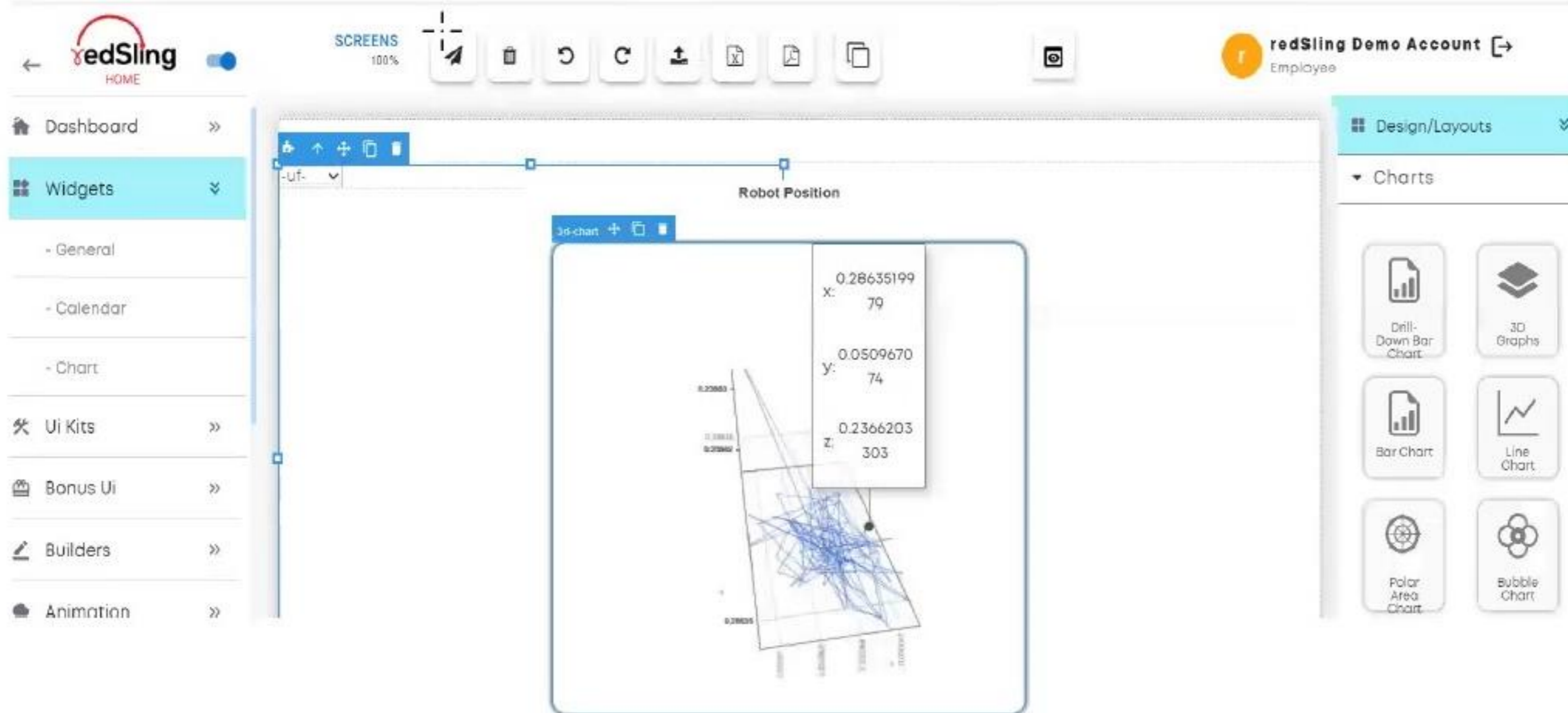
Close

Achieve any look & feel



- Any look & feel achieved with just drag & drop using the redSling builder
- All prebuild components can be customized
- Language translation

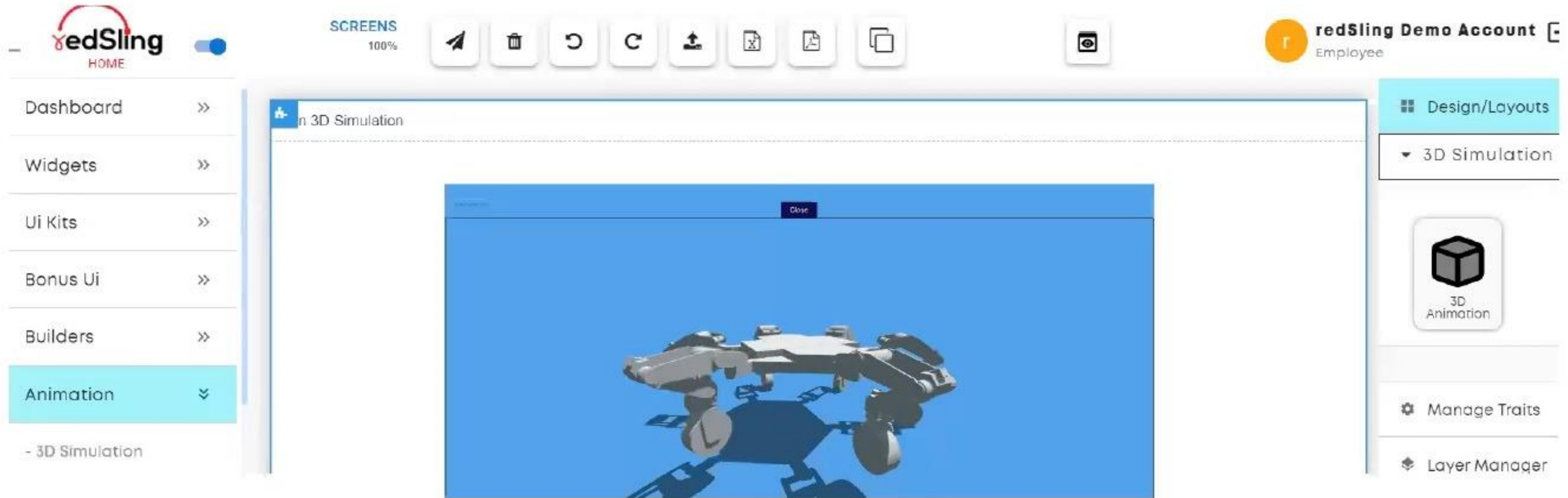
Data visualization & Interaction



Native integration with AI Data platform

- Pull in data from Snowflake and present in a dashboard

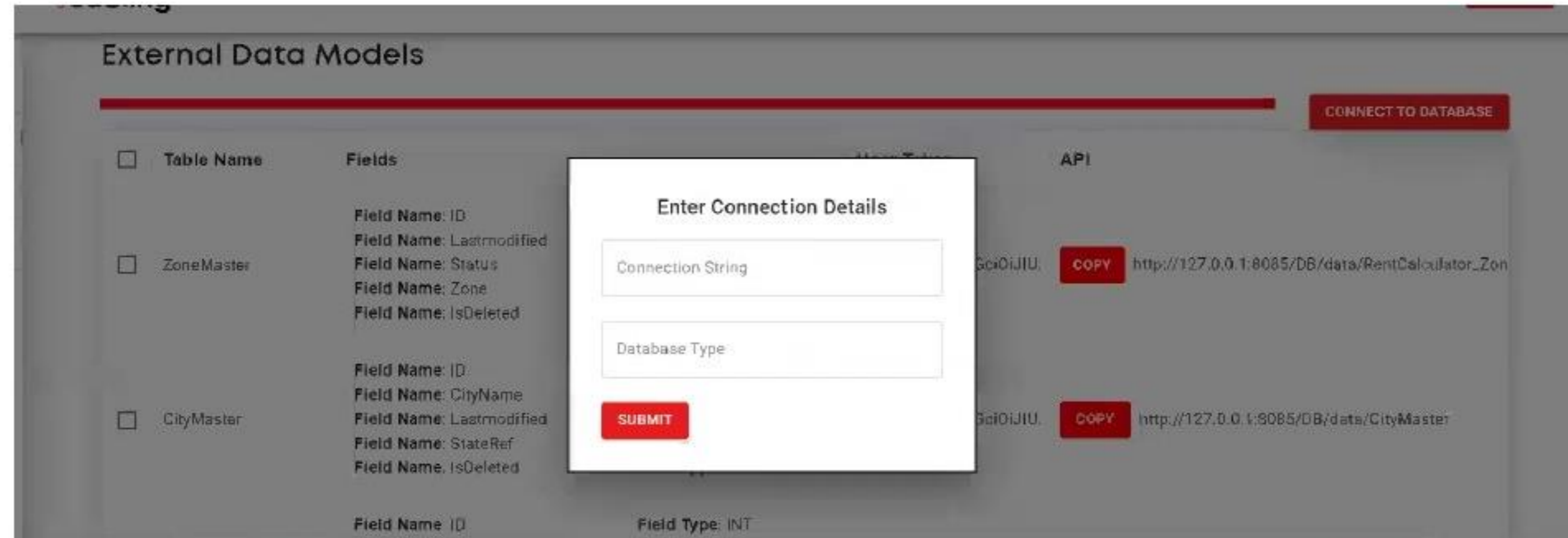
Incorporate 3D animation



Drag and drop 3D animation block for animation

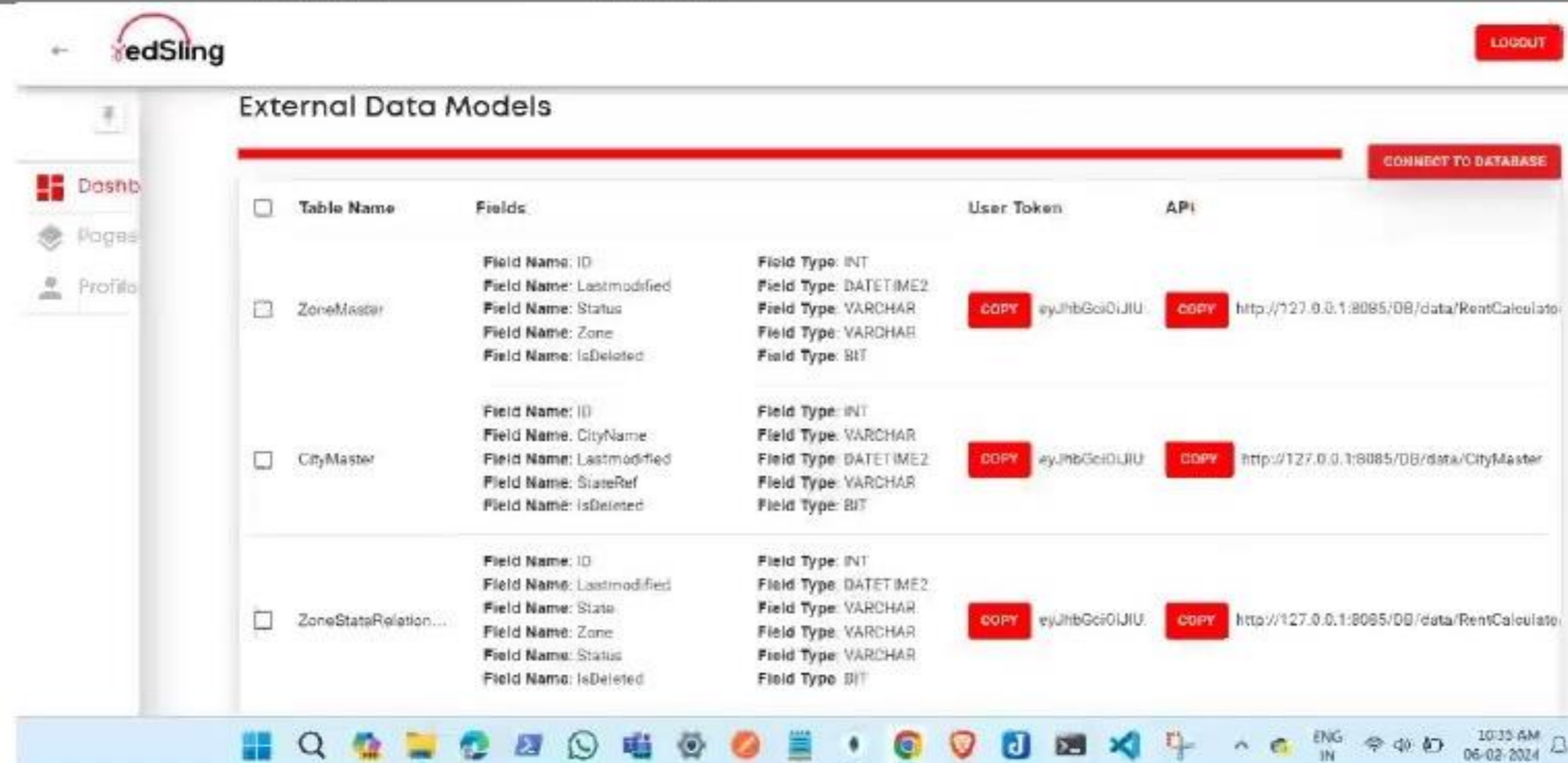
Used mainly used by research organisations

External database



Connect to external database

- MS SQL
- PostgreSQL
- Microsoft SQL Server, 2022
- MongoDB, 4.2+
- MySQL, 5.6
- CockroachDB
- SQLite
- Managed databases from AWS and Azure



Use case

- Build your application in redSling and connect to any external database
- API management

Any app can connect with the database

- User Token per table autogenerated
- API per table auto generated

redSling database

ADD NEW MODEL

Table Name

Add Table Name

Field Name

Add Field Name

Default User Table For Project





Data Type

- String
- Boolean
- Number
- Reference
- Date-Time
- Time

Create Model

IMPORT FILE

CREATE NEW TABLE

Table Name	Fields	User Token	API	Update	Actions
contact	Field Name: address Field Name: phone Field Name: name Field Name: test	Field Type :String Field Type :String Field Type :String Field Type :Reference	COPY ey.JhbGciOiJIU:	COPY http://backend	 
redSlingNov20	Field Name: email Field Name: phone Field Name: address Field Name: name Field Name: test	Field Type :String Field Type :String Field Type :String Field Type :String Field Type :Boolean	COPY ey.JhbGciOiJIU:	COPY http://backend	 

Build any database

- Any datatype

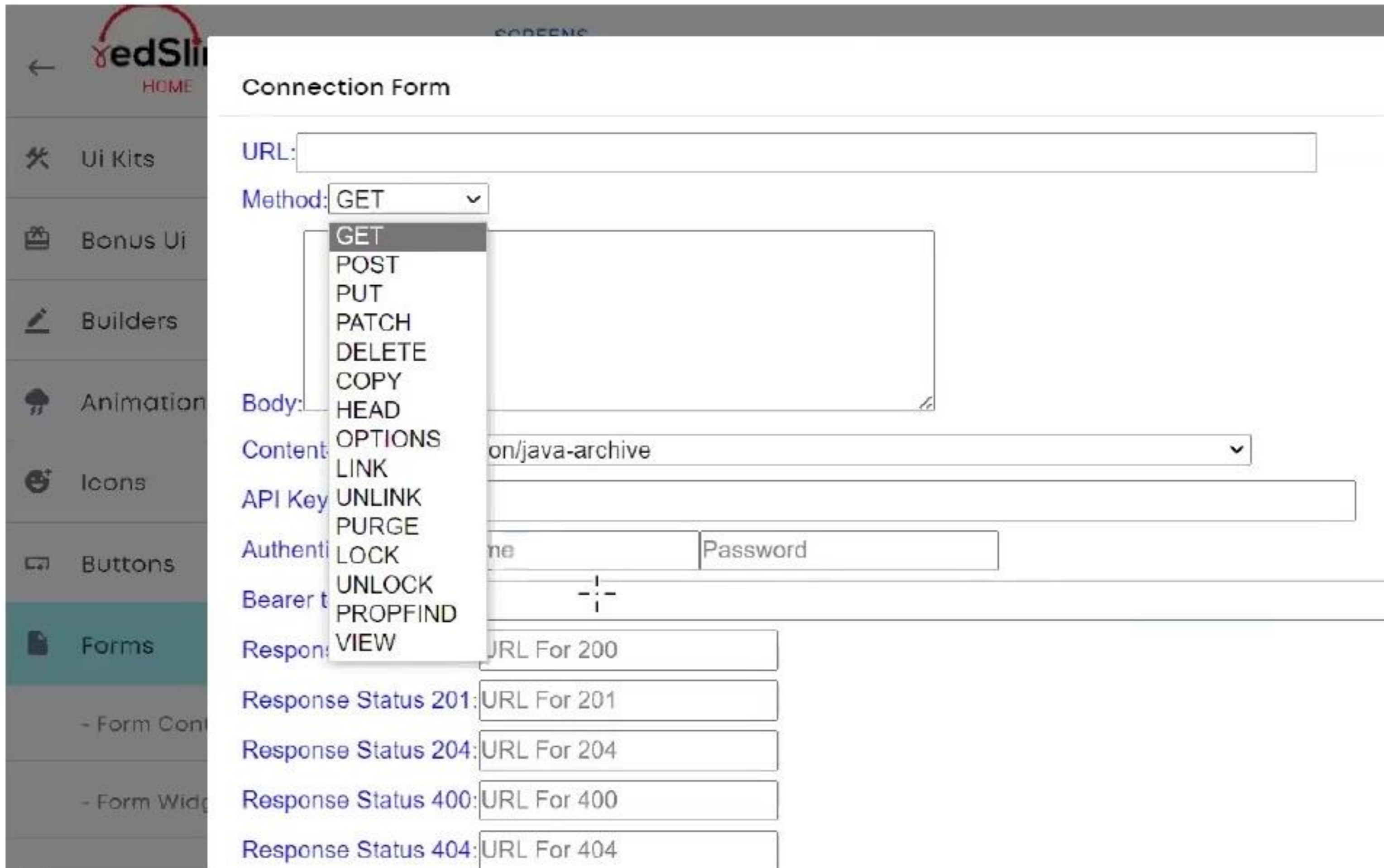
Any app can connect with the database

- User Token per table autogenerated
- API per table auto generated

Use case

- Application can be centralised, and DB can be in different location locally
- API management
- App build in any other platform can use this feature to have DB externally

API connectivity with external sources



Connection Form

URL:

Method: GET

- GET
- POST
- PUT
- PATCH
- DELETE
- COPY
- HEAD
- OPTIONS
- LINK
- UNLINK
- PURGE
- LOCK
- UNLOCK
- PROPFIND
- VIEW

Body:

Content-Type: on/java-archive

API Key:

Authentication:

Bearer token:

Response Status 200:

Response Status 201:

Response Status 204:

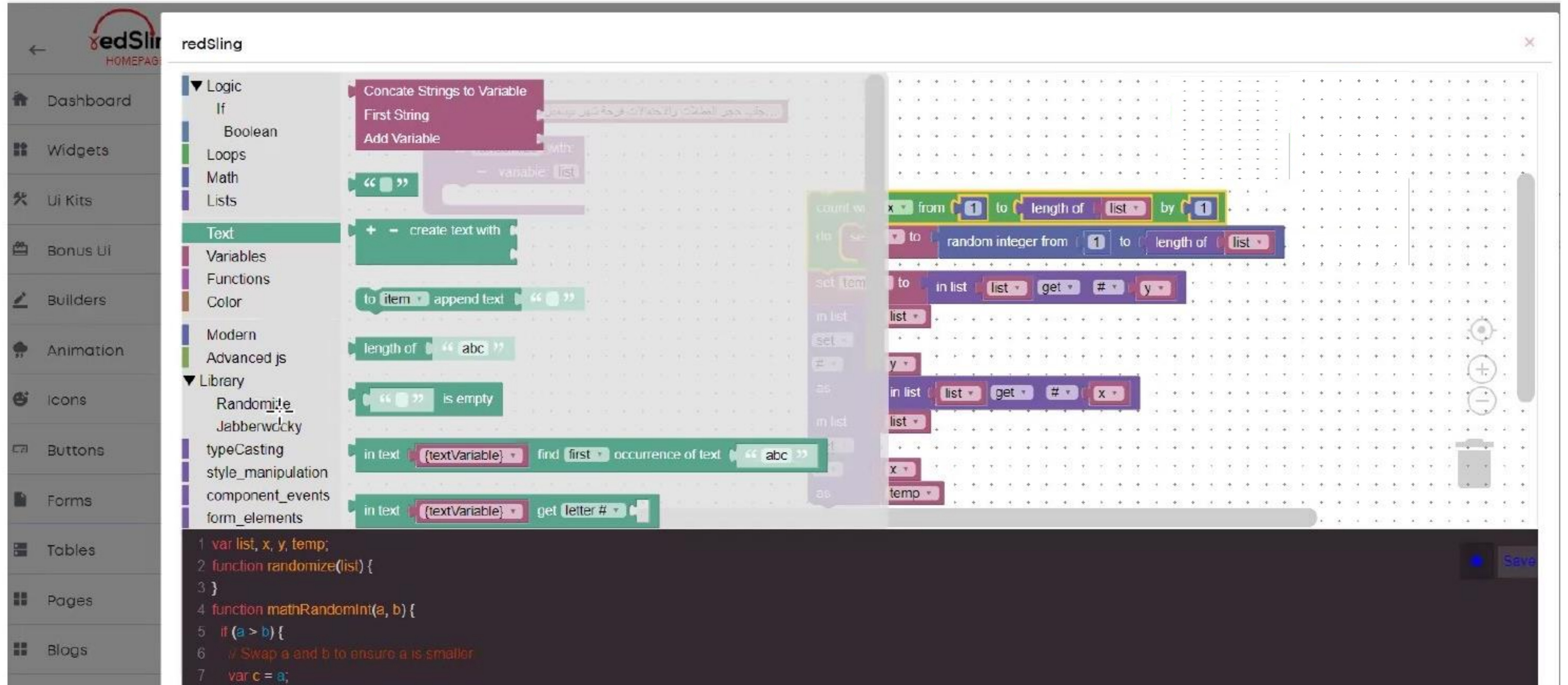
Response Status 400:

Response Status 404:

Connect with any external applications by just completing a form:

- Key in the parameters
- Display data from any API response

redSling logic builder for complex logic & calculation



The screenshot displays the redSling logic builder interface. On the left is a sidebar with a navigation menu including Dashboard, Widgets, Ui Kits, Bonus UI, Builders, Animation, Icons, Buttons, Forms, Tables, Pages, and Blogs. The main workspace is titled 'redSling' and contains a visual logic flow. The flow starts with a 'Concatenate Strings to Variable' block, followed by an 'If' block with a 'Boolean' condition. Below this is a 'Loops' block with a 'for' loop. The loop contains a 'random integer from' block, followed by a 'set item' block, and then a 'get' block. The flow ends with a 'length of' block and an 'is empty' block. The JavaScript code at the bottom of the workspace is as follows:

```
1 var list, x, y, temp;
2 function randomize(list) {
3 }
4 function mathRandomInt(a, b) {
5   if (a > b) {
6     // Swap a and b to ensure a is smaller
7     var c = a;
```


redSling positioning

Criteria	redSling	Powerapps	Outsystems	Mendix
Category	Design driven No Code	Low code	Medium to high code	Low to Medium code
Platforms	True Native apps, eCom & Web apps	Web, native apps	Web, native apps	Web, native apps
Design Tool	Yes (part of the builder)	No – work with templates	No – work with templates with CSS/JS/HTML	No – work with templates with CSS/JS/HTML
Workflows	Drag & drop	MS Flow	Visual modeler	Visual modeler
Look & Feel	Design 1 st concept, Any look & feel without coding	Customizable	Custom js/css	Custom js/css
Deployment per application anywhere	Yes	No	No	No
Release Management	Fully	Partially	Fully	Fully
Integration	REST	Office365, REST	SOAP/REST	REST/SOAP
Social & Search ready	Inbuilt (no Plugins or API required)	No	No	No
AI Chatbot & AI Data Platform ready	Inbuilt (no Plugins or API required)	No	No	No
Cross Platform application for native & web apps	Yes	No	Yes with Limits	Yes with Limits
Downloadable code	Working code can be generated	No	Yes but needs work to make the code work	Yes but needs work to make the code work
eCommerce ready	yes. Inbuilt templates	No, needs build	No, needs build	No, needs build
Commercials	Predictable pricing framework (Pricing per app per annum)	Complex pricing framework (per user, per app, per environment)	Complex pricing framework (App complexity, per internal/External user, add ons)	Complex pricing framework (per app, per user per app, add ons)

redSling value - Increase productivity & reduce cost

Rapid Application Development

- Encourages real-time, collaborative application development
- Clear communication with all the project stakeholders:
 - Business teams
 - Technical members
 - Customer teams where it makes sense
- Rapid feedback loop possible giving the ability to iterate quickly

Low Capex Outlay and lower TCO

- Clear commercials with per application license model
- Easy maintenance of application & application code
- Quick change request & feature enhancements implementation
- CI/CD enabled
- Reduced testing

Single Platform for App Dev

- Multifunction capabilities across
 - Central IT teams
 - Department/ Business teams
 - Citizen IT functions.
- Web Apps, Mobile Apps, Workflows, Dashboards, Integrations
- Eliminate shadow IT

Reduced Skill Requirement

- Empowers technical users with 10X productivity increase
- IT & business aligned and building beautiful & engaging applications fast
- Empowers non-technical users by intuitive, process-based modelling approach to app development
- Short learning curve (1 to 2 weeks)



Thank You

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S-Square

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