

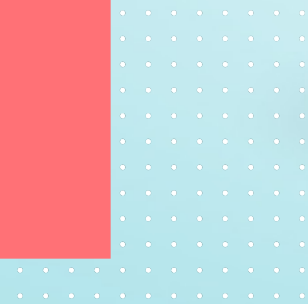


rockfeather

POWERAPPS @ DALU 2024



= Ideas and interaction



Erik Wilbrink

OutSystems Developer





**WHAT DO YOU WANT TO
LEARN TODAY?**

What can you expect today

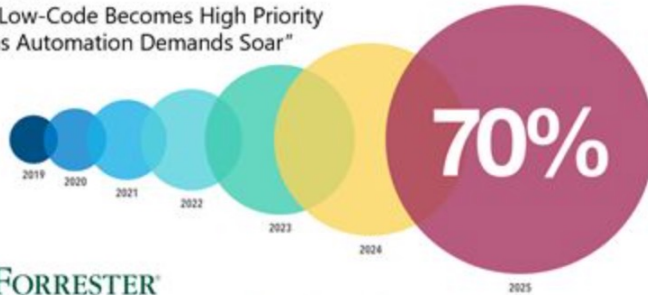
- ✓ Lowcode explained
- ✓ Power Platform explained
- ✓ Demo
- ✓ Questions

Primarily, we focus on the tool and the technical capabilities.

Why low code

THE WALL STREET JOURNAL
WSJ

"Low-Code Becomes High Priority
as Automation Demands Soar"



FORRESTER

"Forrester expects the low-code market
to represent \$21B in spending by 2022."

Forbes

"Low-code software presents an
opportunity that most companies
miss during a digital transformation
journey - an opportunity to move
fast and be nimble"

Gartner

"low-code application platforms will
be responsible for more than 65
percent of all app dev activity by
2024."

Low code advantages



Faster technology deployment



Developed by people who understand business processes



Easier to maintain



Cost effective



Better Customer Experience

What does low coding solves?



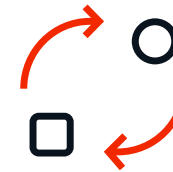
App Dev Complexity

Building apps fast and building them properly requires large investments in specialist tools and processes



Talent Shortage

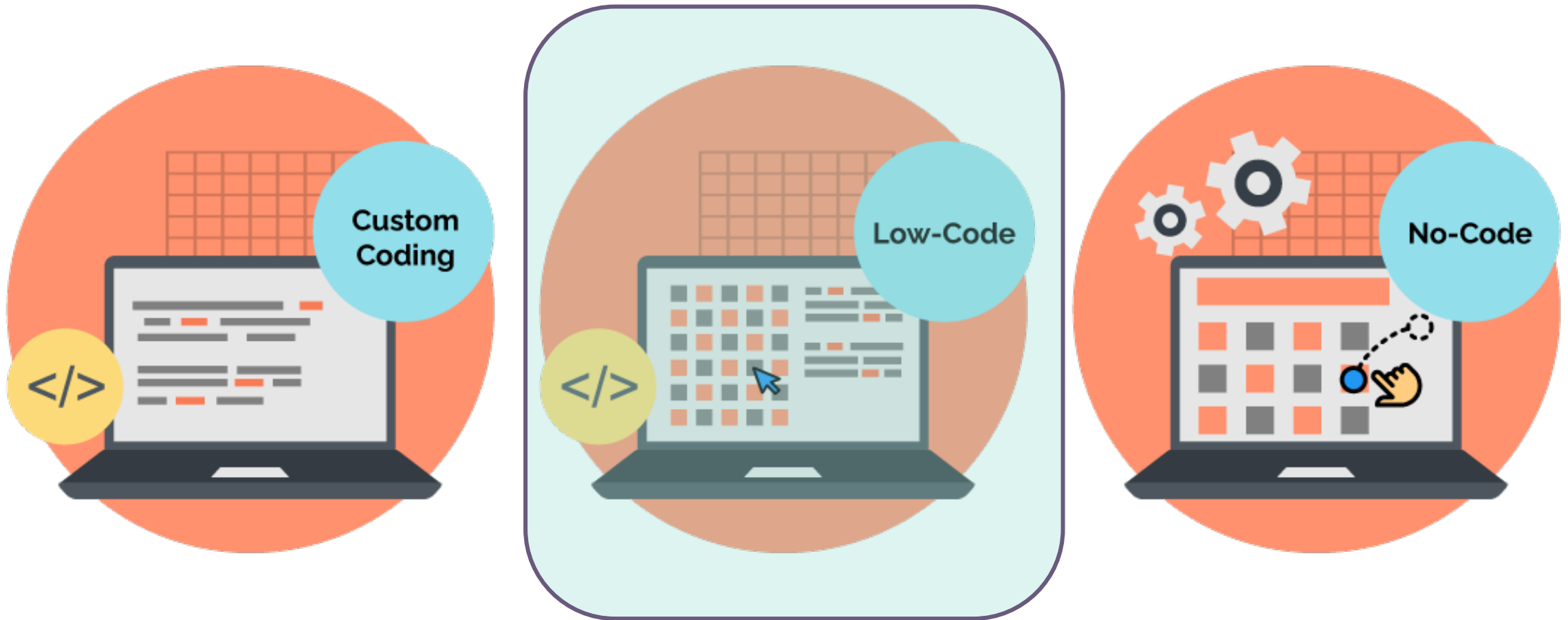
There are not enough people available and the ones that exist have multiple job offers making 30% to 50% more.



Explosive App Backlog

There are a lot of apps to build and you will have way more in the next three years. You have to get to it really fast.

Today's lowcoding platform

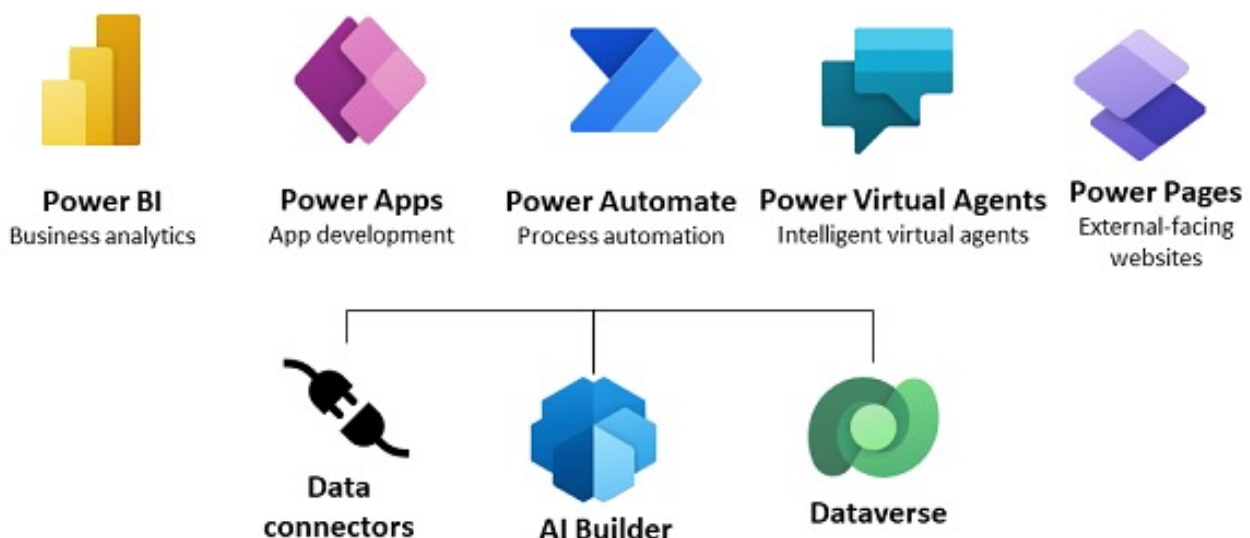


POWERAPPS

Low-code with the power platform



The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.





What component from
the power platform are
you most familiar with?

Not one yet unfortunately 😞

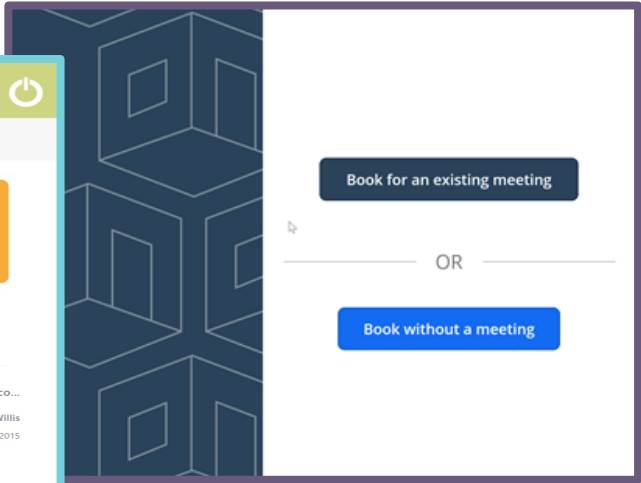
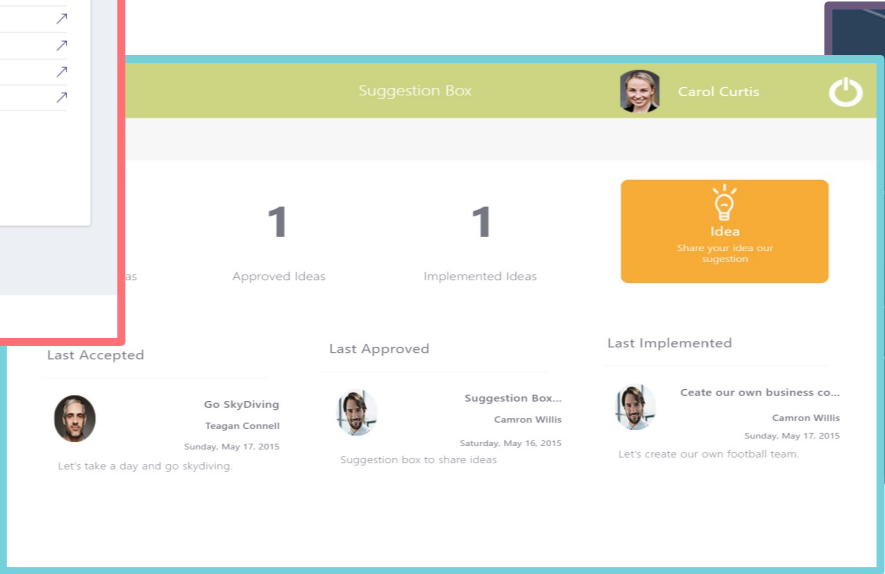
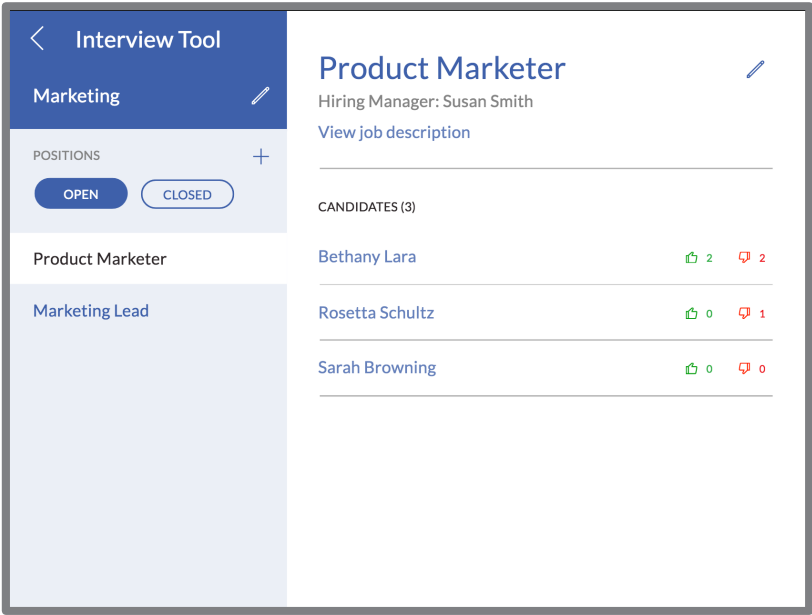
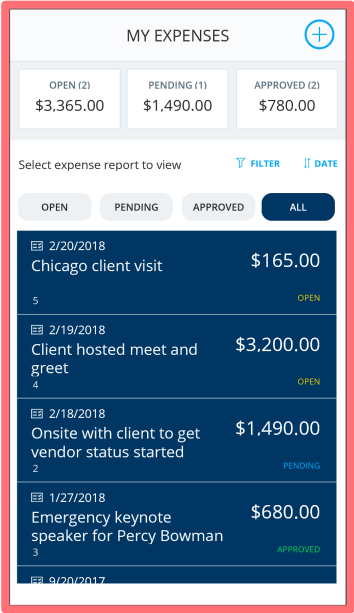
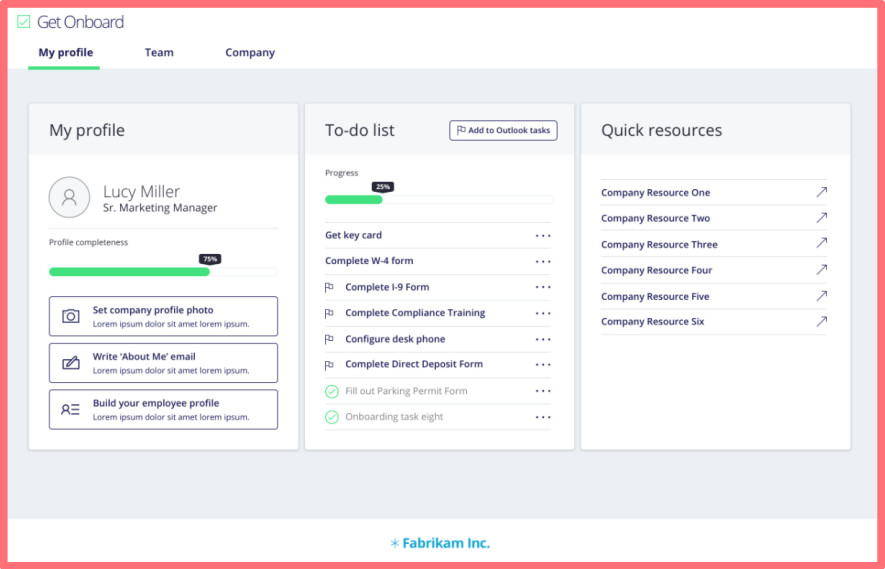
Power Bi

Power Apps

Power Automate

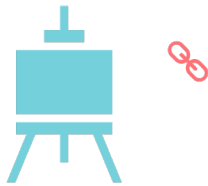
Power Virtual Agents

What are power apps?



Different types of power apps

CANVAS



Canvas Apps make use of the Power Apps Studio. This is the designer for all things Canvas App related. From here you can add, modify and remove objects, change colours, add screen etc

Workflows can also be created right from within the Power Apps Studio environment.

Think of the Canvas apps as PowerPoint.

MODEL DRIVEN



Model-Driven apps takes a data first approach.

Apps take a standard design approach and have limited customisable features when it comes to the overall UI / UX.

Think of Model-Driven apps as Excel.

PAGES



Aimed at external users, Portals offer a way for external (and internal) users to interact with the dataverse in a “website” like format.

The Portals experience requires a lot more coding knowledge to get started and its functionality is limited compared to the other options.

Think of Portals as a Community Website.

Canvas App



Any platform support

Supports all major platforms and gives native access to device capabilities like camera, GPS, pen & ink

Share apps like documents

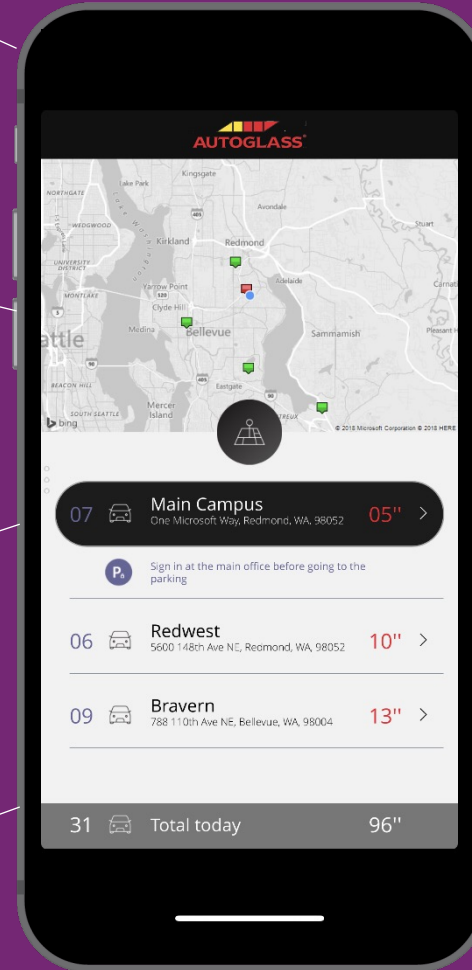
Share your app with 3 clicks and an email address. It's pushed to mobile devices in seconds

Seamless integration

Directly integrated with Power Automate, Power BI, Microsoft Teams, Office 365, Dynamics 365 & Azure

Extensibility model

No limits. Get a pro-dev to build you a control or connector if you need something custom



WYSIWYG design experience

PowerPoint like pixel perfect drag and drop design experience. Start from a template, app is running with live data as you build it

Data connectivity

Connect to over 400 services and apps with built-in connectors for everything from Adobe, to ZenDesk, to on-prem

Built-in data platform

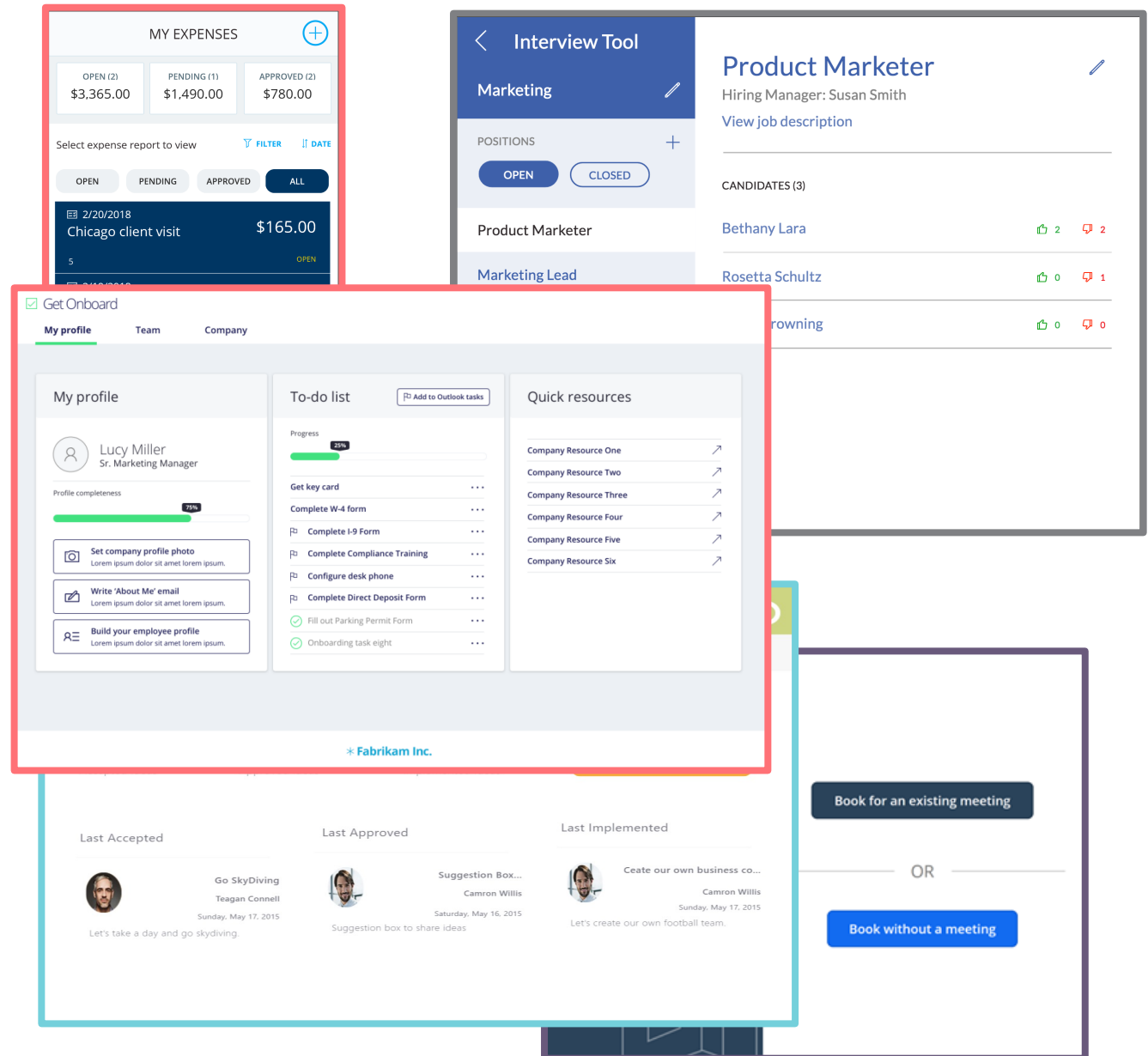
Use Dataverse to store app data in a standardized Common Data Model

App logic

If you can understand formulas in Excel you can add logic to your Power App. Leverage AI Builder to democratize AI in your org

Examples of applications

- Build and deploy almost anything across your Team, Business Unit or Organisation.
- Some examples
 - Expenses tracker
 - Meeting room booker
 - Interview tool
 - Suggestion Box
 - Onboarding tool
- All of these are examples **out of the box**. Free to use with **Office 365 license**.



Model-driven App

Any platform support

Supports all major platforms and gives native access to device capabilities like camera, GPS, pen & ink

Share apps like documents

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Extensibility model

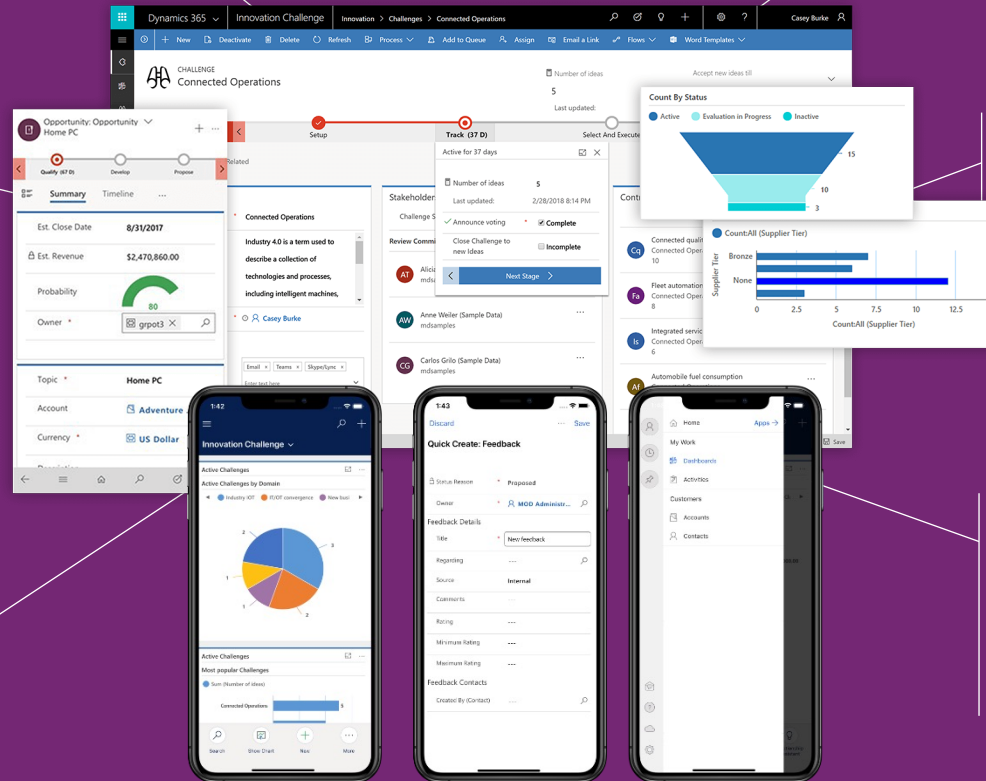
No limits. Get a pro-dev to build you a control or connector if you need something custom

User friendly design experience

Use the graphic interface to design all the forms, views and menus of the app

Built-in data platform

Use Dataverse to show data and store data in a standardized Common Data Model



Power FX

F2

⌵

⋮

✕ ✓ *f_x*

```
=IF([@LastFirst],[@Last]&" ",[@First]&" ")&
  IF(AND([@IncludeMiddle],NOT([@LastFirst])),LEFT([@Middle],1)&" ",)&
  IF([@LastFirst],[@First],[@Last])&
  IF(AND([@IncludeMiddle],[@LastFirst]),"&LEFT([@Middle],1),")
```

	A	B	C	D	E	F
1	Last	First	Middle	LastFirst	IncludeMiddle	And
2	Nadella	Satya	Narayana	FALSE	FALSE	Satya Nadella
3	Nadella	Satya	Narayana	TRUE	FALSE	Nadella, Satya
4	Nadella	Satya	Narayana	FALSE	TRUE	Satya N Nadella
5	Nadella	Satya	Narayana	TRUE	TRUE	Nadella, Satya N

Power Apps

Insert row above

Insert row below

Delete 1 record(s)

Names

	Abc Last * ↑ ▾	Abc First ▾	Abc Middle ▾	LastFirst ▾	IncludeMiddle ▾	Abc FullName ▾	
	Nadella	Satya	Narayana	<input type="checkbox"/> No	<input type="checkbox"/> No	Satya Nadella	
	Nadella	Satya	Narayana	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Nadella, Satya	
	Nadella	Satya	Naryana	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	Satya N Nadella	
✓	Nadella	Satya	Naryana	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	Nadella, Satya N	
	Enter text	Enter text	Enter text				

Edit column

×

Name *

FullName

Type *

Text

A single line of text.

Expression *

```
If(LastFirst,Last&"",",",First&" ")&
If(And(IncludeMiddle,Not
(LastFirst)),
Left(Middle,1)&" ","") &
If( LastFirst, First, Last ) &
If( And(IncludeMiddle,LastFirst),
" " & Left( Middle, 1), "" )
```

Advanced options

▼

Save

Cancel

Pages

Relationship management

Create multilingual, responsive websites to engage with internal and external customers, partners and employees.

Easy authorization

Use anonymous access or any of the commercial or enterprise login providers like Microsoft Account, LinkedIn, Azure AD B2C and more.

WYSIWYG design experience

Use WYSIWYG designer to create website content and enrich with CDS/Dynamics data using familiar constructs like forms, views, charts, dashboards.

Extensibility model

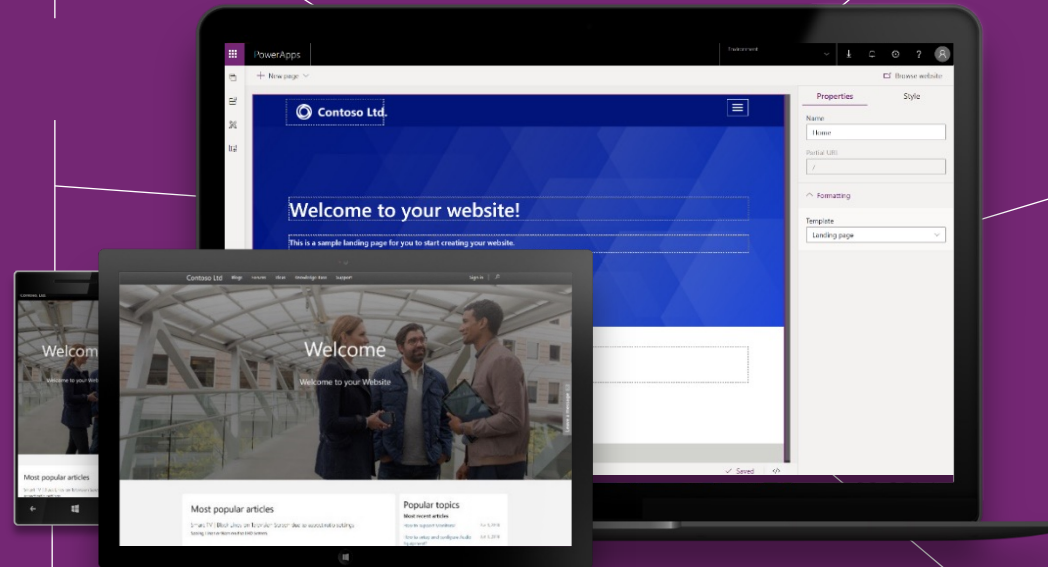
Pro-dev extensibility and templating capabilities to design complex business processes.

Starter templates

Dynamics 365 provides integrated starter templates like customer self service, partner management, event management and community self service.

Built-in data platform

Use Dataverse to store data in a standardized Common Data Model



Power Automate

Any platform support

Supports all major platforms, available on the web or with mobile on the go

Share flows like documents

Share your flow with 3 clicks and an email address. It's pushed to users in seconds

Seamless integration

Directly integrated with Power Apps, Power BI, Microsoft Teams, Office 365, Dynamics 365 & Azure

Extensibility model

No limits. Automate advanced scenarios with multiple steps, branching conditions and more. Synchronize files between 1st and 3rd party systems seamlessly

WYSIWYG design experience

PowerPoint like drag and drop design experience. Start from a template, flow is running with live data as you build it

Data connectivity

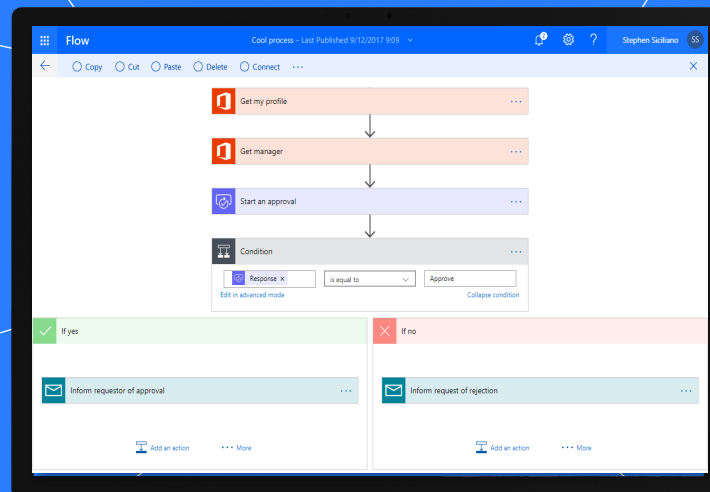
Connect to over 400 services with built-in connectors for everything from Adobe, to Zendesk, to on-prem

Built-in data platform

Use the Dataverse to store app data in a standardized Common Data Model

Logic and automation

Build flows that monitor and execute actions, leverage AI Builder to democratize AI, send emails automatically, notify people in processes



Different types of Flows



Automated cloud flow

Triggered by a designated event.



Instant cloud flow

Triggered manually as needed.



Scheduled cloud flow

You choose when and how often it runs.



Describe it to design it (preview)

Describe the flow you want and AI builds it for you



Desktop flow

Automates processes on your desktop environment.



Process advisor

Evaluate and optimize your existing processes and tasks.

The FLOW Canvas

[Flow - Coffee Machine Orders - New Order](#)

UndoRedoCommentsSaveFlow checkerTest

When a row is added, modified or deleted

Change type

Added

Table name

Coffee Machine Orders

Scope

Organization

Show advanced options

Start and wait for an approval

Approval type

Approve/Reject - First to respond

Title

New Coffee Machine Request for Name x

Assigned to

Approver x

Details

A new machine has been requested
Name: Name x
Price: € Price x
Departmental contribution: € Department C... x
Comments: Comments x

Item link

https://org6ac208f9.crm4.dynamics.com/main.aspx?appid=ab4b9ac1-2b31-ed11-9db1-6045bd88d483&pagetype=entityrecord&etn=rfic_coffeemachineorders&id= Coffee Machin... x

Item link description

Click here to navigate to the order.

Show advanced options

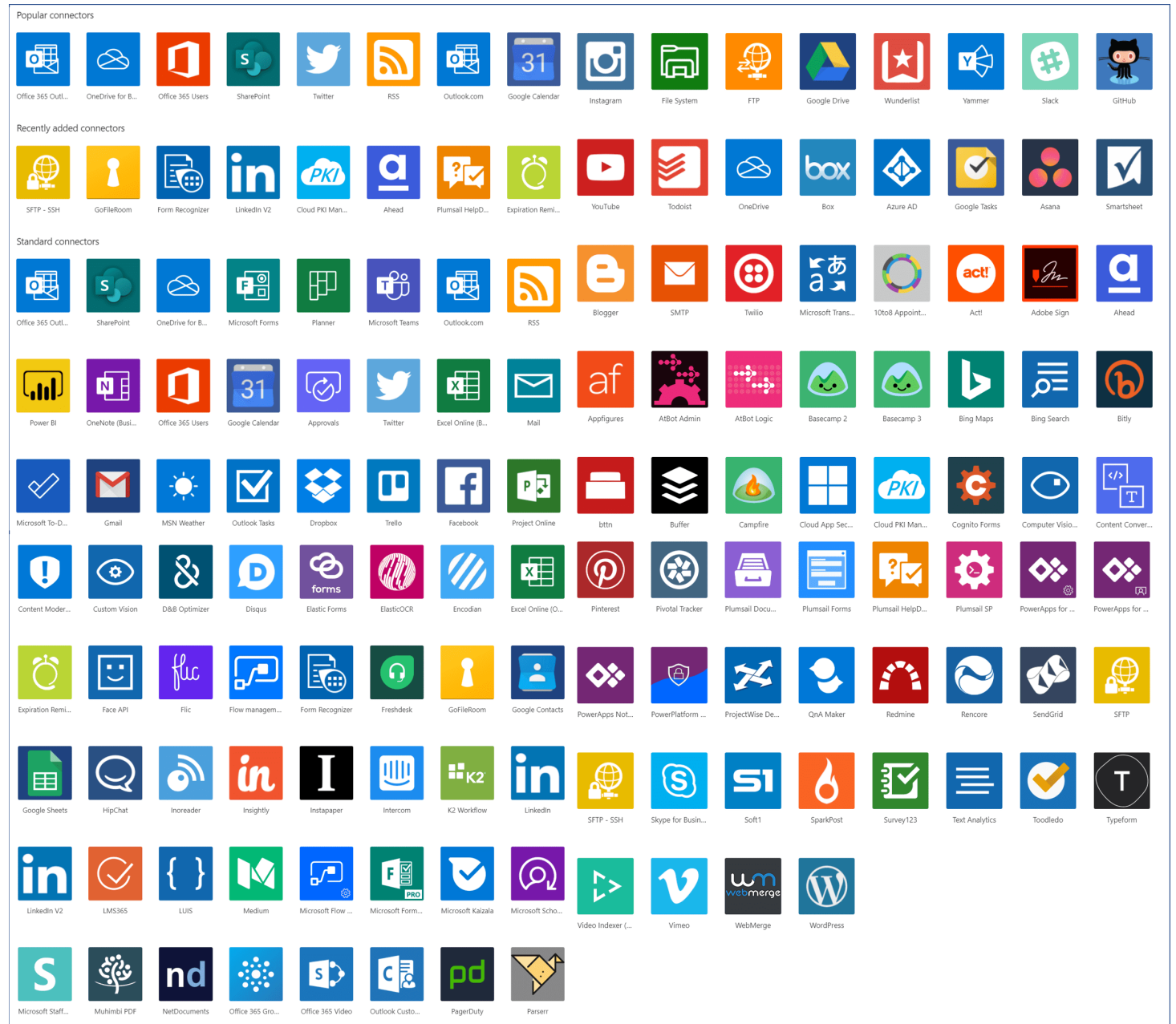
Condition

+ New step

Save

Connectors (1000+)

* Connectors don't work for
Model Driven Apps & Pages



Power Virtual Agents

Available Any Time

Improved customer satisfaction with 24/7 self-help and rich bot conversations.

Reduced Costs

Build a bot in four easy steps to address common inquiries. Free up valuable resources to focus on the more complex issues.

Interface Anywhere

Meet your audience where they are by publishing your bot to Teams, Slack, Facebook, and many other channels.

Intuitive Design Interface

No need for AI expertise. Code-free graphical interface puts the power in the hands of your Subject Matter Experts.

Natural Language Conversations

Powerful AI capabilities allow for multi-turn conversations using everyday language.

Take Action

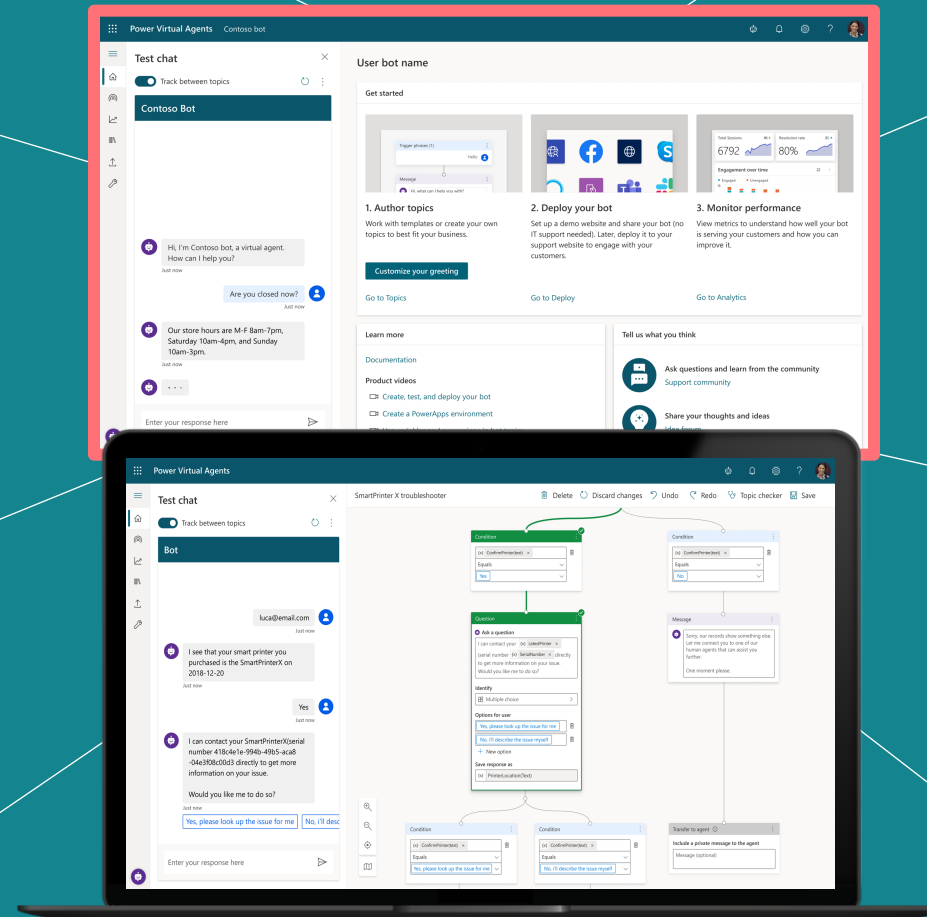
Connect to over 400 services and apps through Power Automate to empower your bot to do more than just chat.

Powerful Analytics

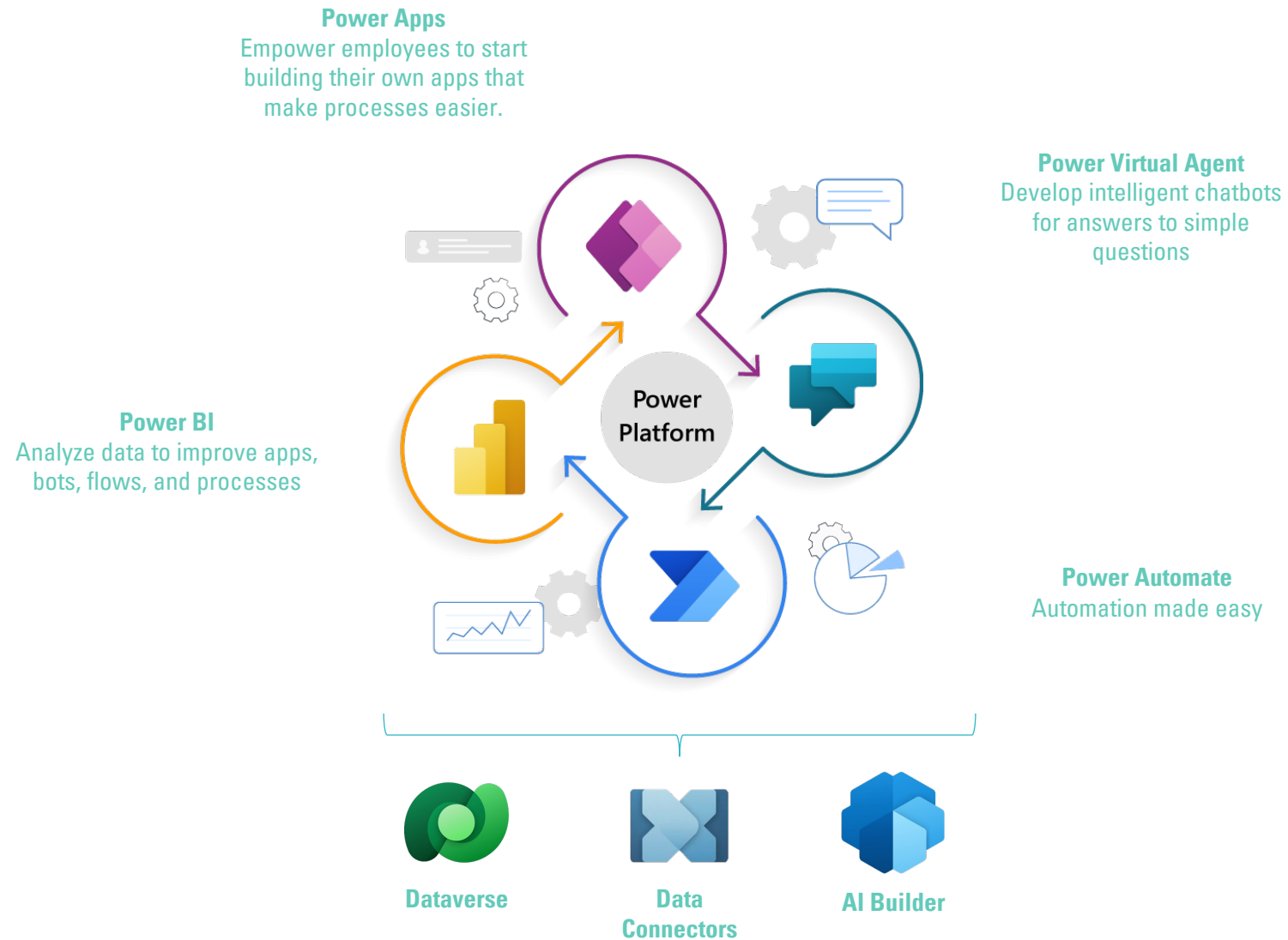
Monitor bot performance with powerful metrics AI-driven dashboards.

Valuable Insights

Pair with Dynamics 365 Customer Service Insights to determine trending topics to automate.



~~Less is more~~ more is more

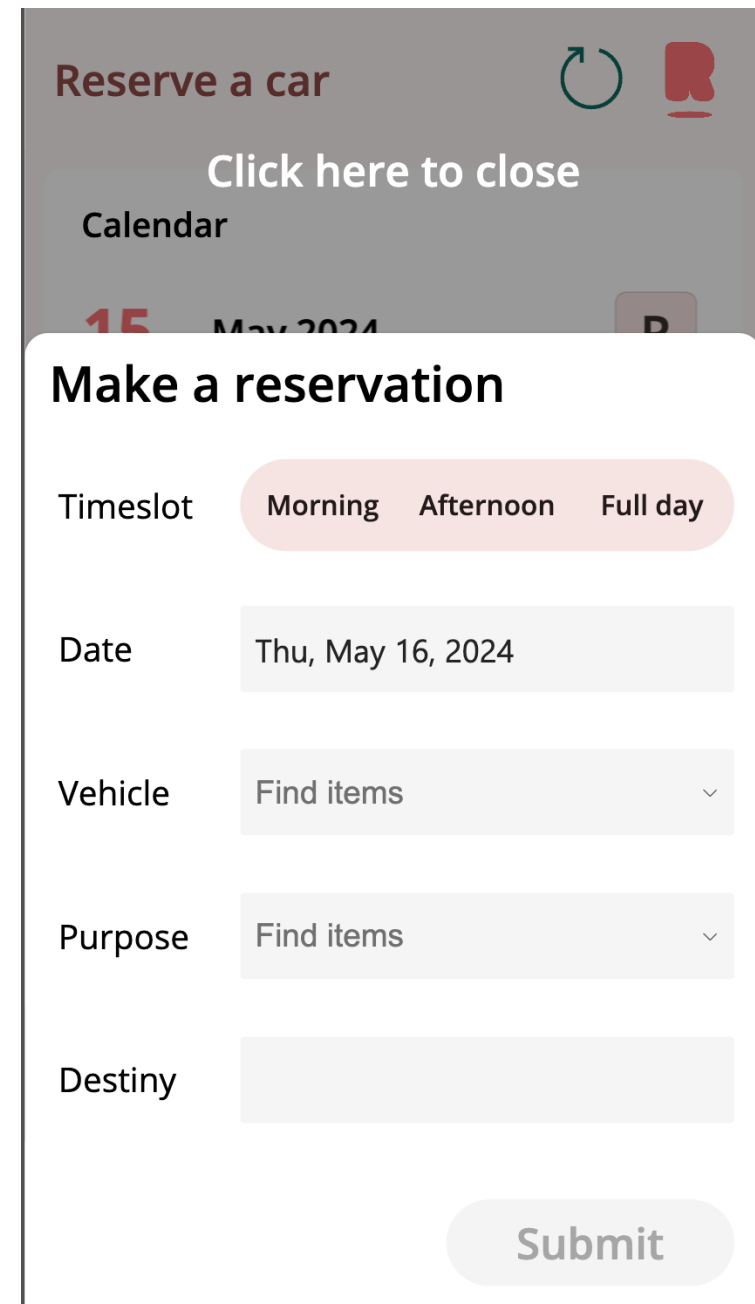
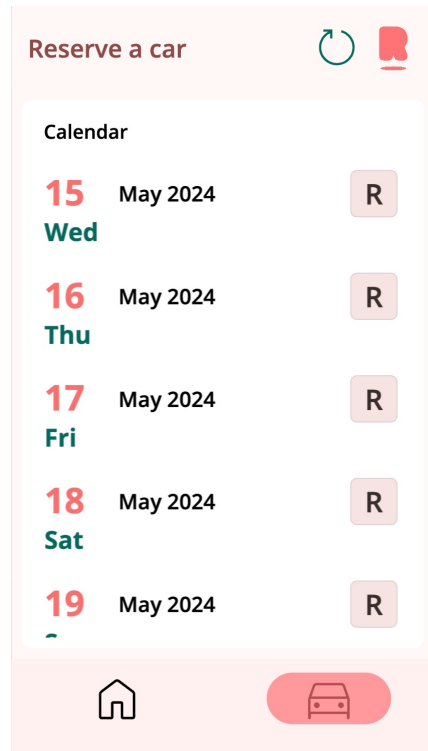




What do you want the
demo to focus on?

Demo scenario – Rockfeather car app

An app build to reserve the commonly shared Rockfeather car, or bike, or whatever...





Questions



Email me

erik.wilbrink@rockfeather.com

Learn to build a PowerApp yourself **@june 11th!**

