



Gomolemo Mohapi

He/Him

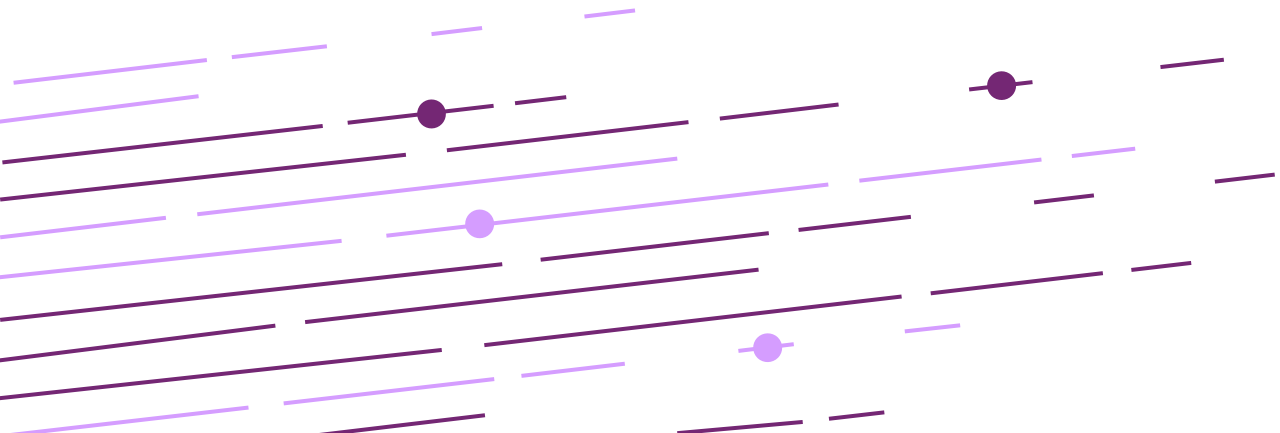
Power Apps Cloud Advocate



gmohapi@microsoft.com

Twitter: @[GomoMohapi](https://twitter.com/GomoMohapi)

LinkedIn: [LinkedIn.com/in/gomomohapi](https://www.linkedin.com/in/gomomohapi)



Goals for today

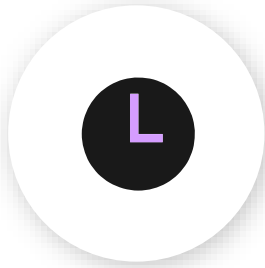
Get you familiar with the Power Platform and some of the ways to use your skills to extend it



Business and IT challenges



Budget constraints



Time and resource constraints



Rising customer expectations



Paper processes



New digital business models



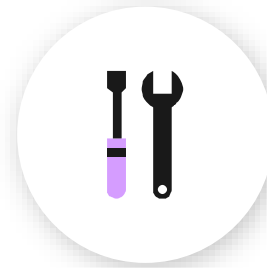
IT/business partnership



Limited agility



Need for differentiation



Technical skills shortages



Security and compliance risks

500 million

new apps will be built in the next 5 years
– more than all apps built in the last 40 years!¹

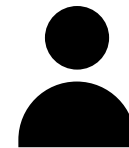
5x

Faster demand for mobile apps than IT
departments can deliver.²

86%

of organizations struggle to find technical
talent to build applications.³

A growing demand for apps but not enough developers to build them



The global shortage of developers will
increase from 1.4 million today to

4 million in 2025⁴

¹ IDC FutureScape: Worldwide IT Industry 2020 Predictions. Doc # US 45599219, October 2019

² Gartner, How to Deliver Enterprise Mobile Apps Faster – 2017

³ Patrick Moorhead, [Microsoft goes all-in on hybrid Cloud and Edge at Ignite 2019](#), citing Indeed survey, Forbes.com, Nov 2019

⁴ IDC, Quantifying the Worldwide Shortage of Full-Time Developers, Doc # US48223621, September 2021

Teach Everyone How to Code?

Embracing low-code transformation



Low-code platforms enable a **visual approach** to building apps and workflows.



Reduce the time and effort spent wrangling your data and gather AI-driven insights to make confident decisions.



Lower the technical barrier to solving business challenges with technology.



Bridge the gap between IT, pro dev, and the business, driving a collaborative approach to problem solving.



Microsoft Power Platform

No code, low code, and code first—all are welcome



No Code

Drag and drop experiences that are like PowerPoint



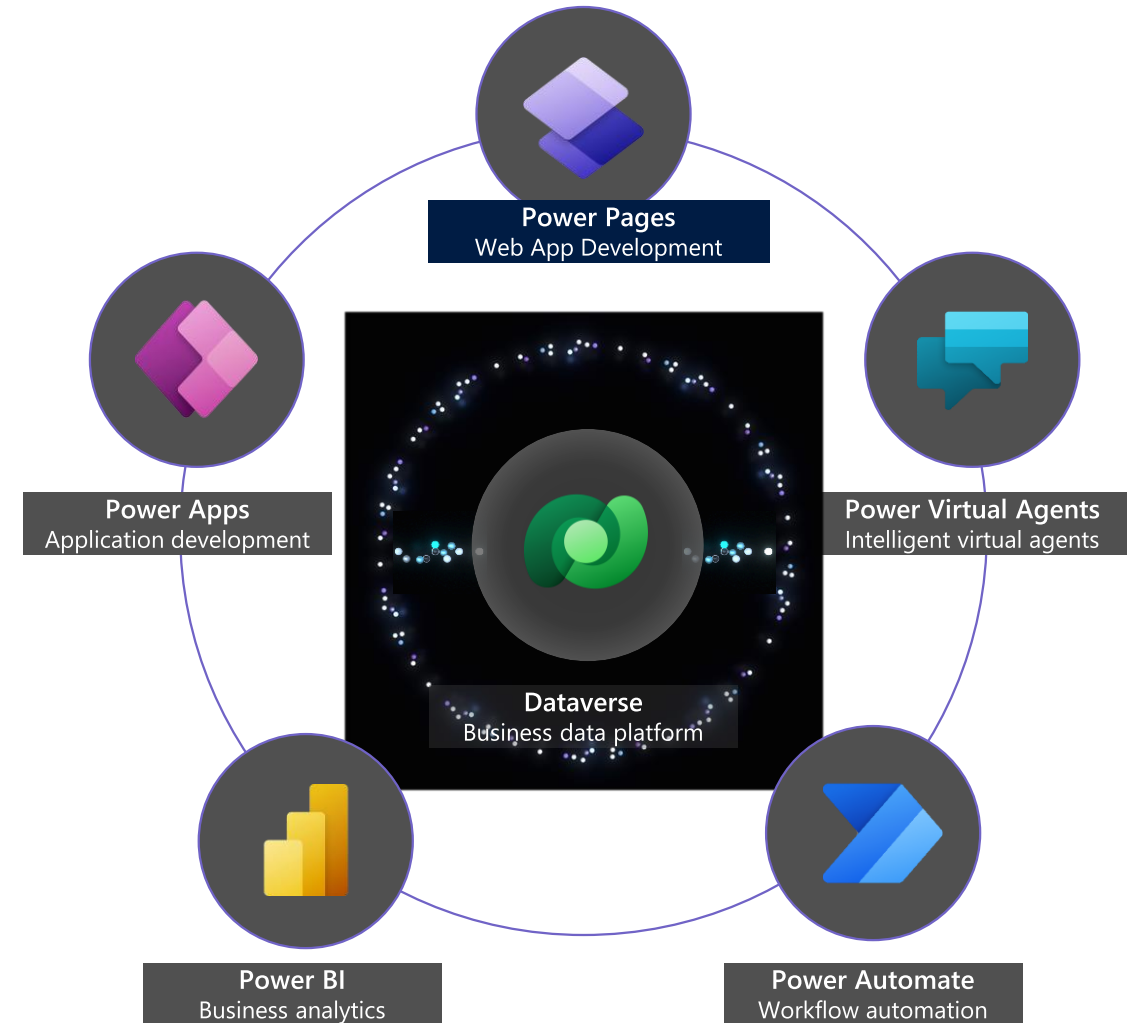
Low Code

Drag and drop plus Excel-like formulas for functionality



Code First

Professional development and extensibility across Microsoft



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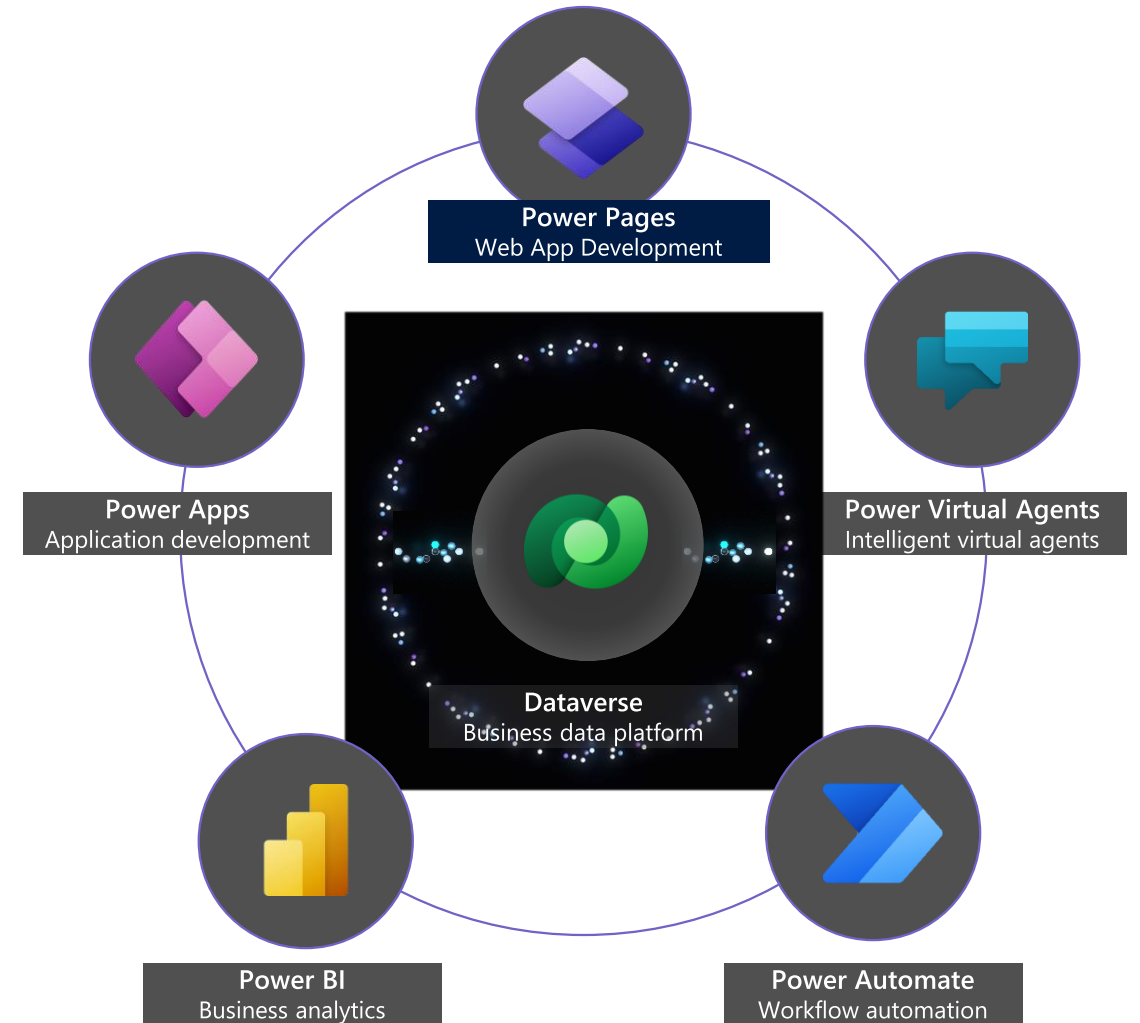
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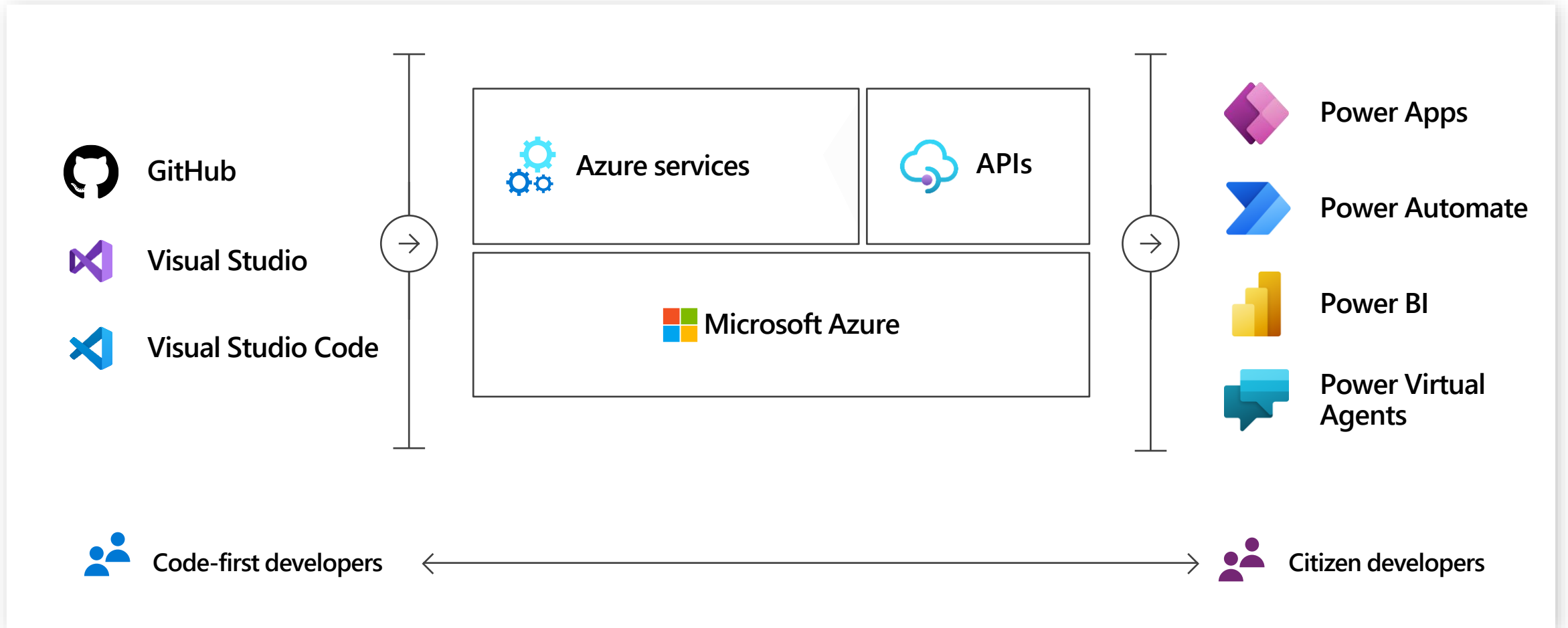
Code First

Professional development and extensibility across Microsoft

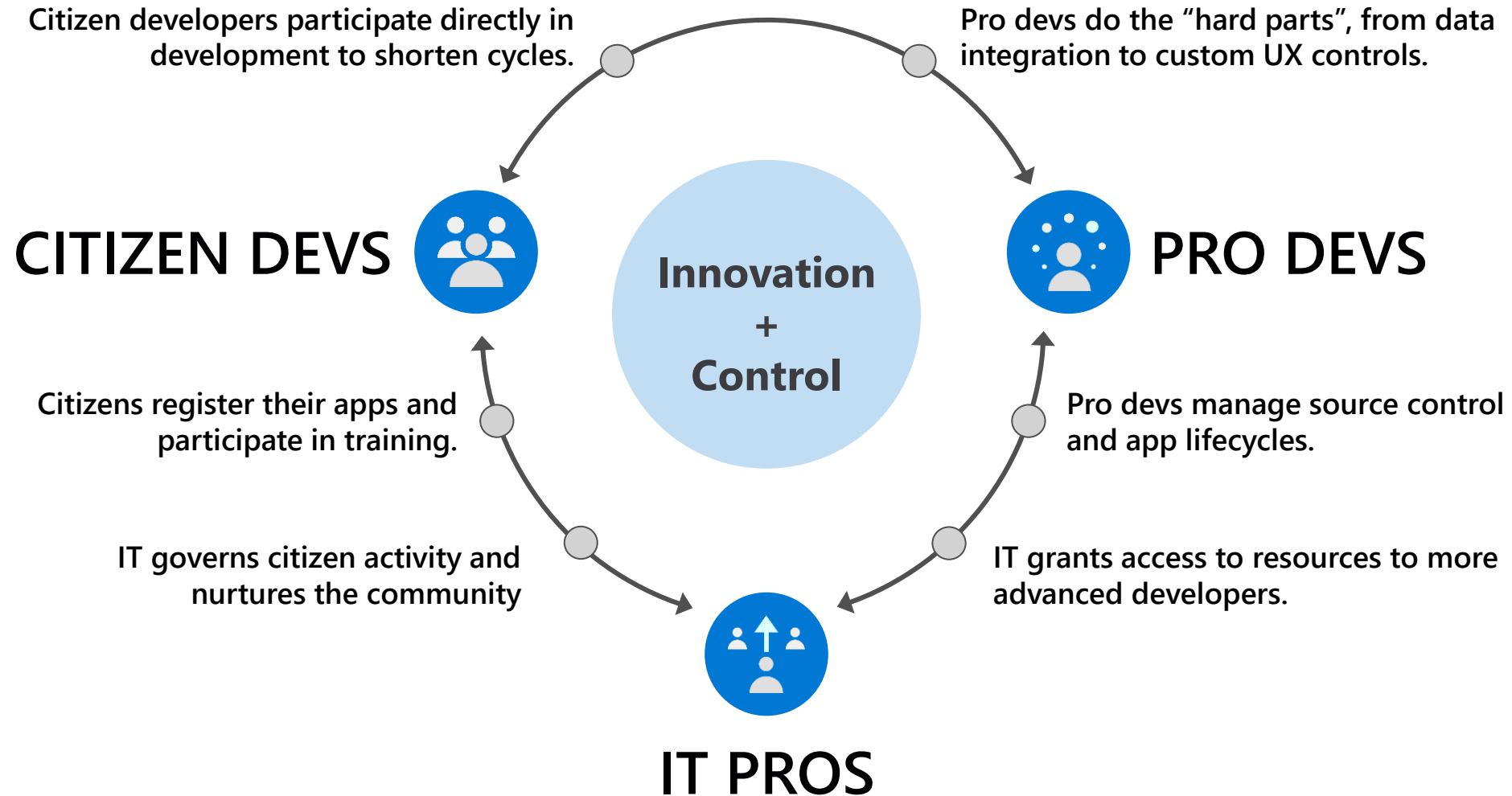


Fusion Team Development

Low-code and pro-dev application development extensibility with Power Apps + Azure



Power Platform development is a team sport

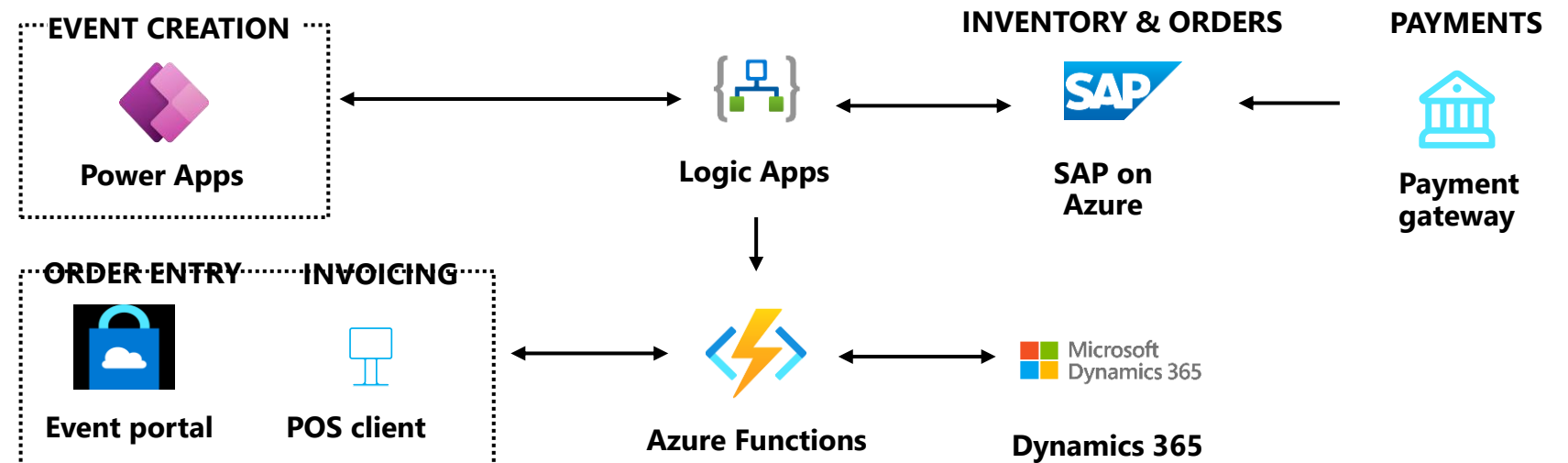


Streamline event management, like Coca-Cola UNITED



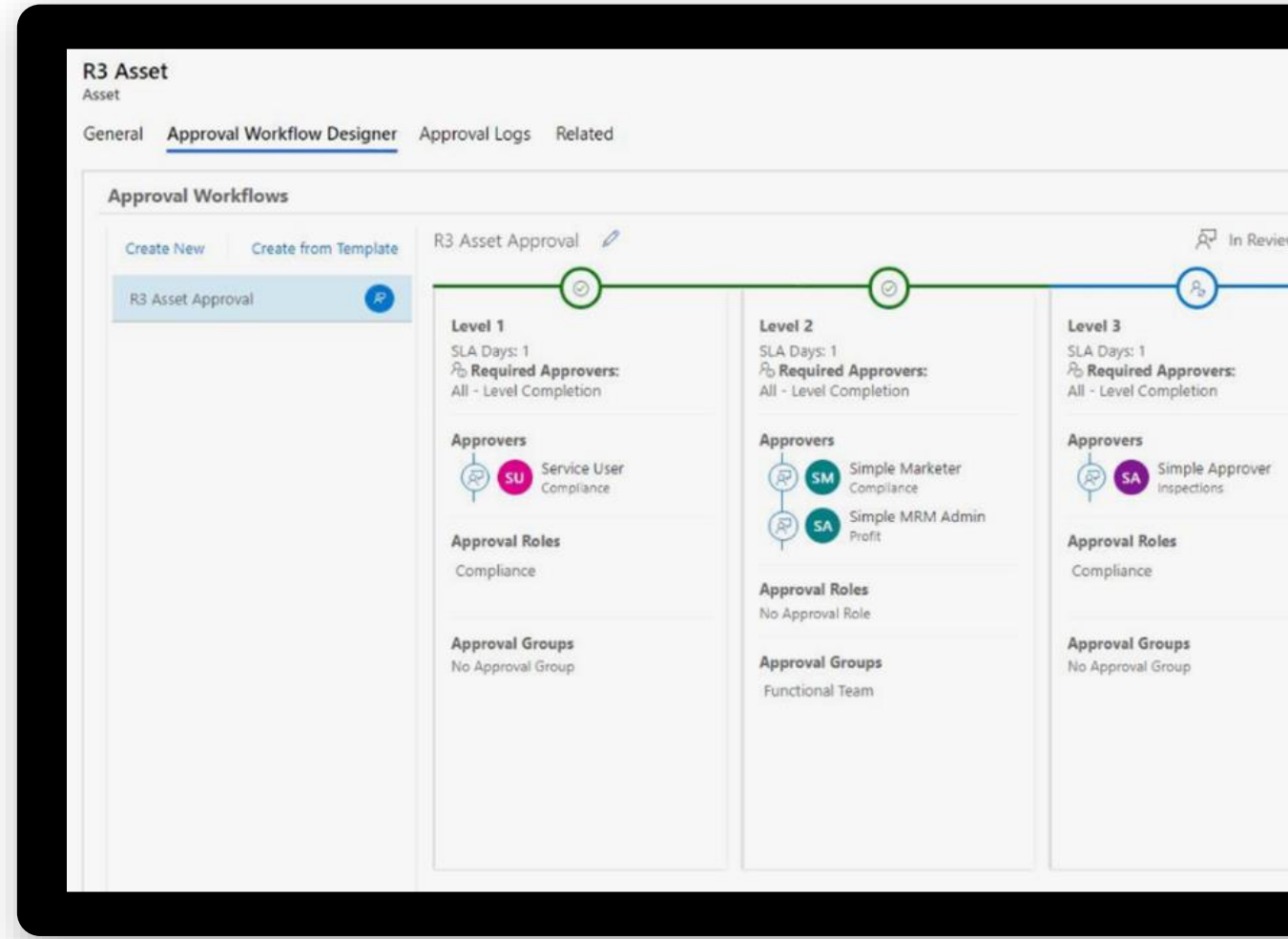
"Power Apps has enabled us to create a more modern and efficient method of charitable event fundraising for our customers with Azure providing the ERP connections for convenient payment processing."

Bob Means
Director of Business Solutions
Coca-Cola UNITED



Build custom components with the Power Apps component framework

- Developers can build compelling visual components for Power Apps.
- Custom components are responsive, reusable and support multiple form factors.
- Reuse your current IP or build using Visual Studio or Visual Studio Code
- Use common frameworks like React and command-line tools for building and testing.



Unlock access to any data source with custom connectors

- Communicate with services that are not available as prebuilt connectors.
- Create a connector using in-product wizards in Power Platform
- Connectors in Power Automate can include your own triggers and actions.



BUILD API

Start with API for data source or build new API.



BUILD CONNECTOR

Define connector using custom connector wizard or Power Query SDK.



SHARE CONNECTOR

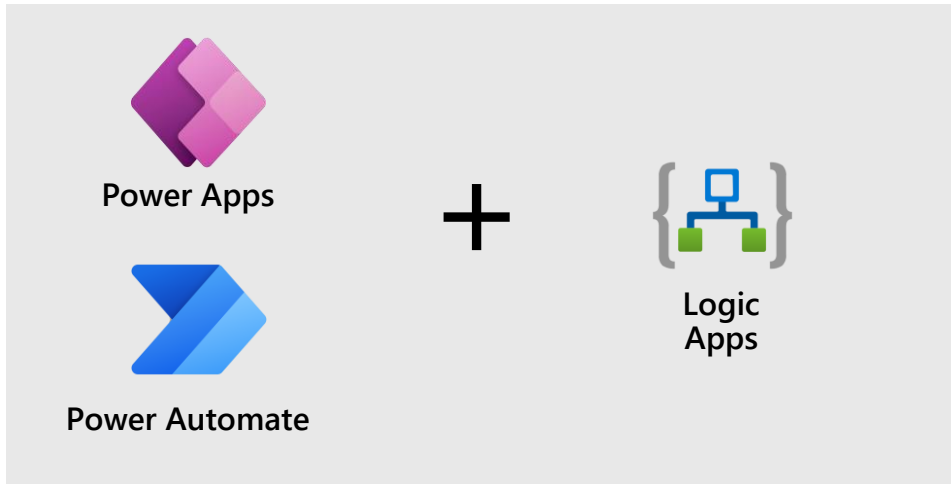
Add connector to Power Platform or share directly with citizen developers.



BUILD SOLUTION

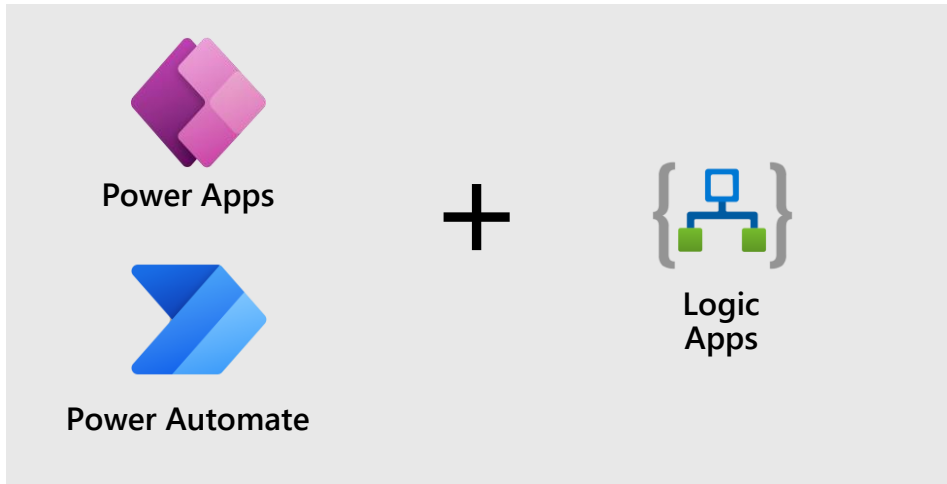
Citizen developer selects custom connector to build app, dashboard, etc.

Power Platform + Azure services in action



- Extend and expand a flow's capabilities by leveraging logic apps unique capabilities like B2B integration.
- Call your logic apps from Power Automate and Power Apps by exporting your logic apps as connectors.

Power Platform + Azure services in action



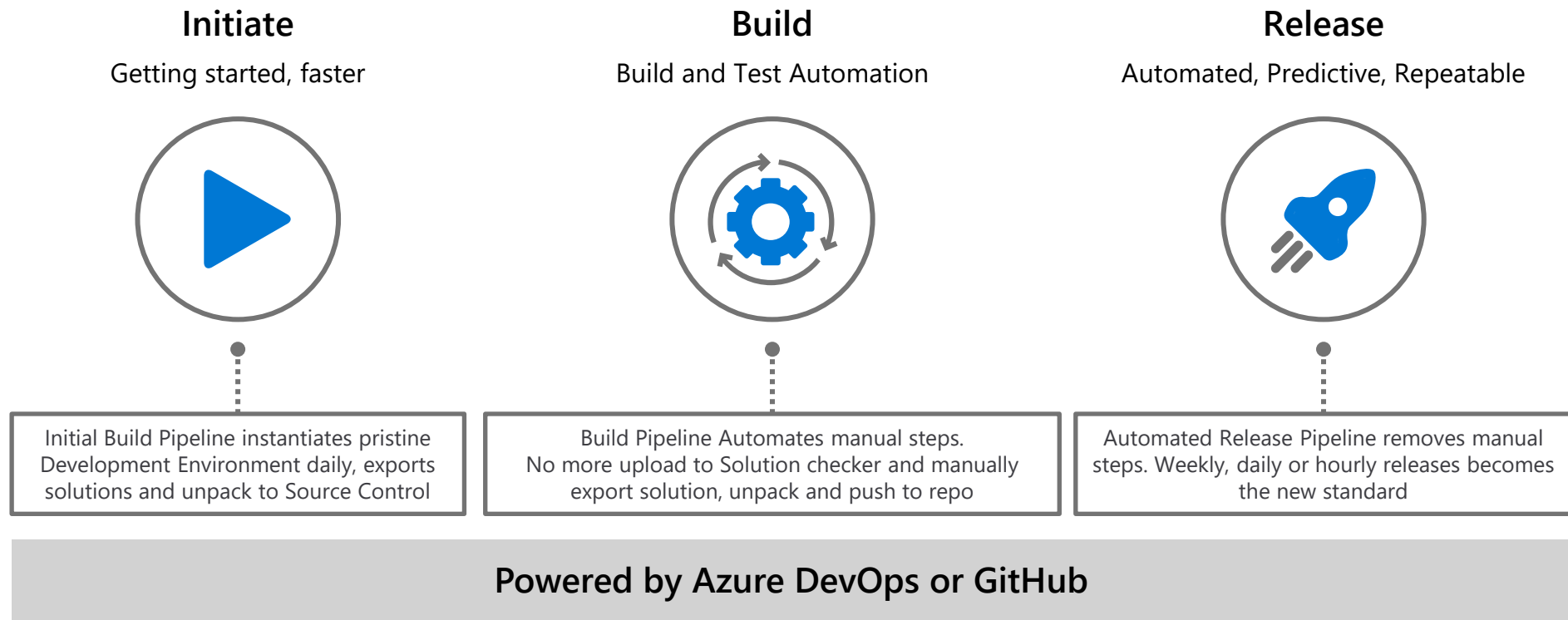
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- Convert custom bots built with pro-code tools to a Skill and embed the Skill within a Power Virtual Agents bot.

Automate the build process with DevOps

The Microsoft Power Platform Build Tools allows anyone to setup DevOps for low-code and pro-code application development for Power Apps, Power Automate, Power Virtual Agents



Power Platform + GitHub

Develop, test, and deliver applications with GitHub Actions for Power Platform



Seamlessly manage solutions and environments



Enable everyone to contribute to CI/CD



Seamless Fusion teams with coders and citizen devs

Building Custom Connectors for Custom APIs

But why?

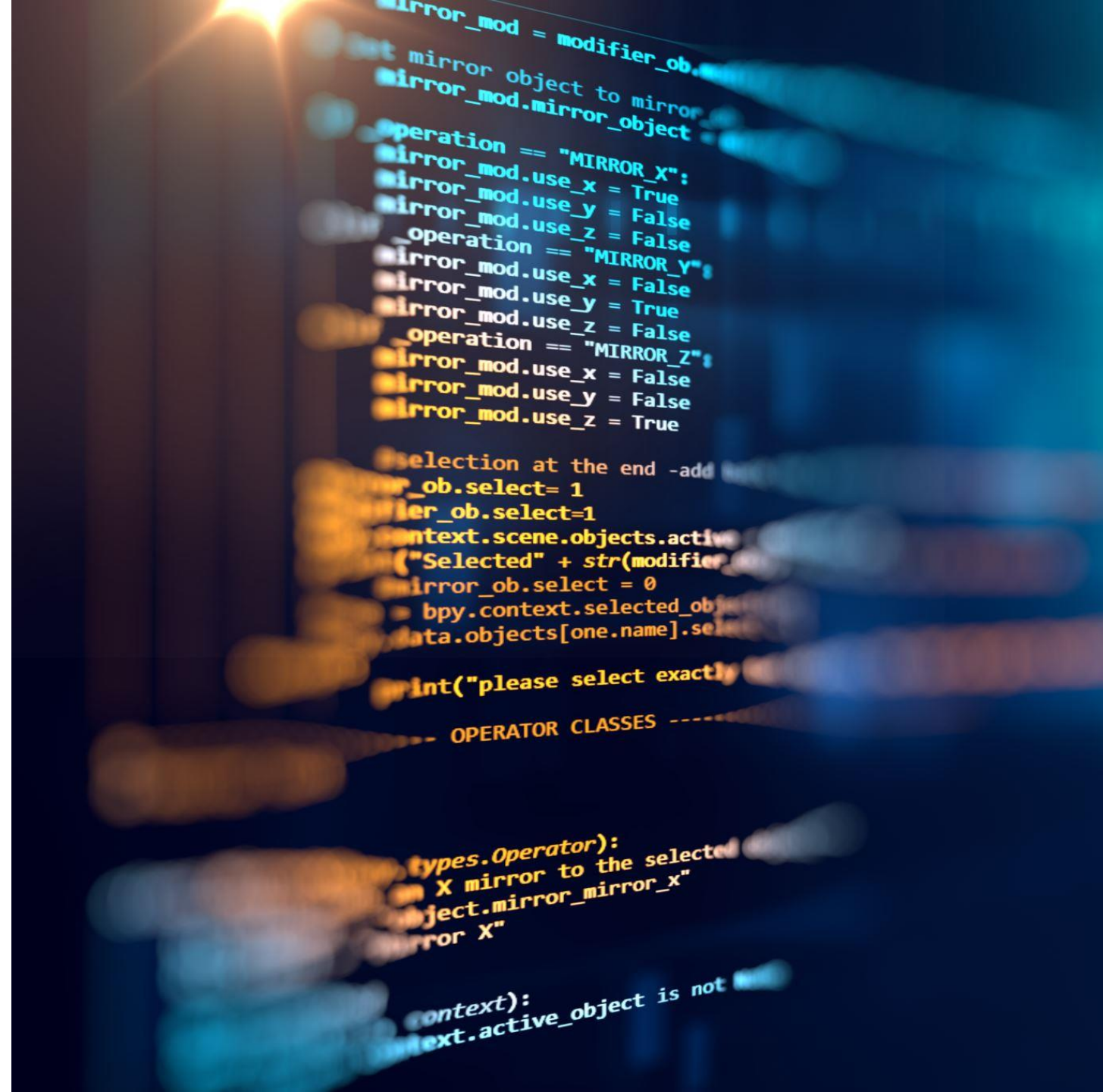
Working as a fusion team

Recognize low-code and code first both have their place

Knowing what can be done in low-code can avoid reinvention in code first

Consider how your code-first efforts will be used to make them low-code friendly

Be ready to help troubleshoot low-code that produces code-first errors



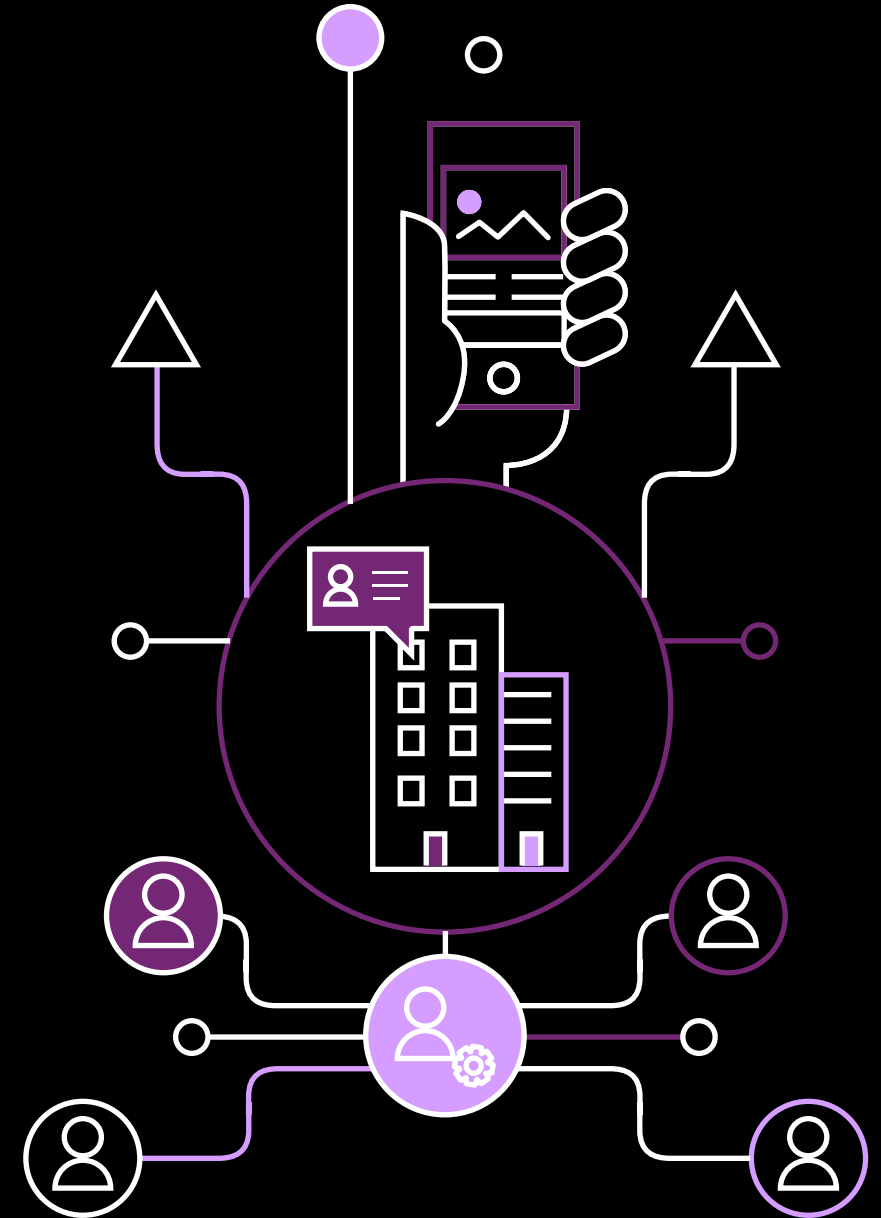
Resources

Pro Developers + Power Platform

- <https://aka.ms/Powerforpros>

Fusion Development Learning Path

- <https://aka.ms/FusionDevPath>



Thank you

