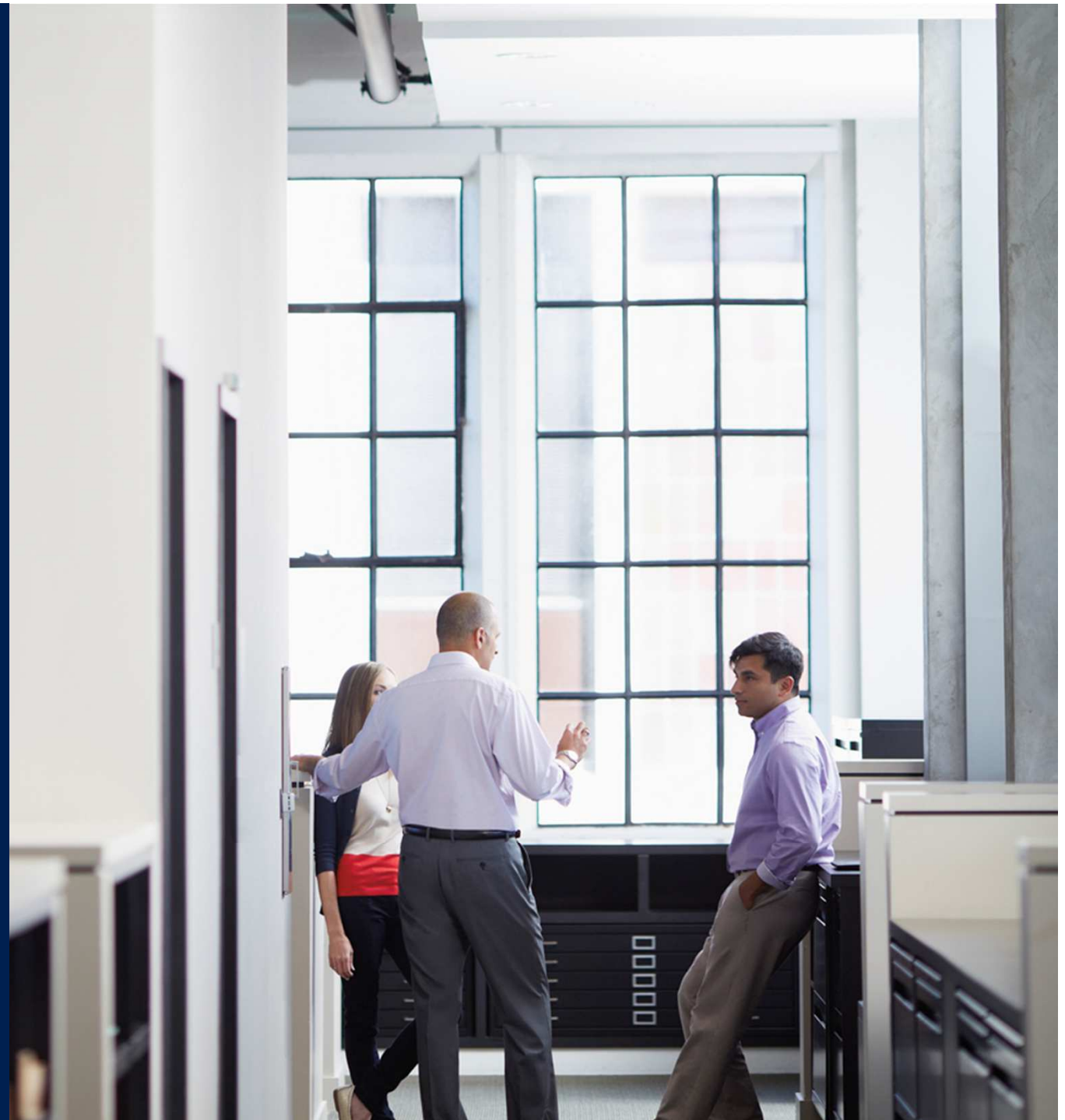
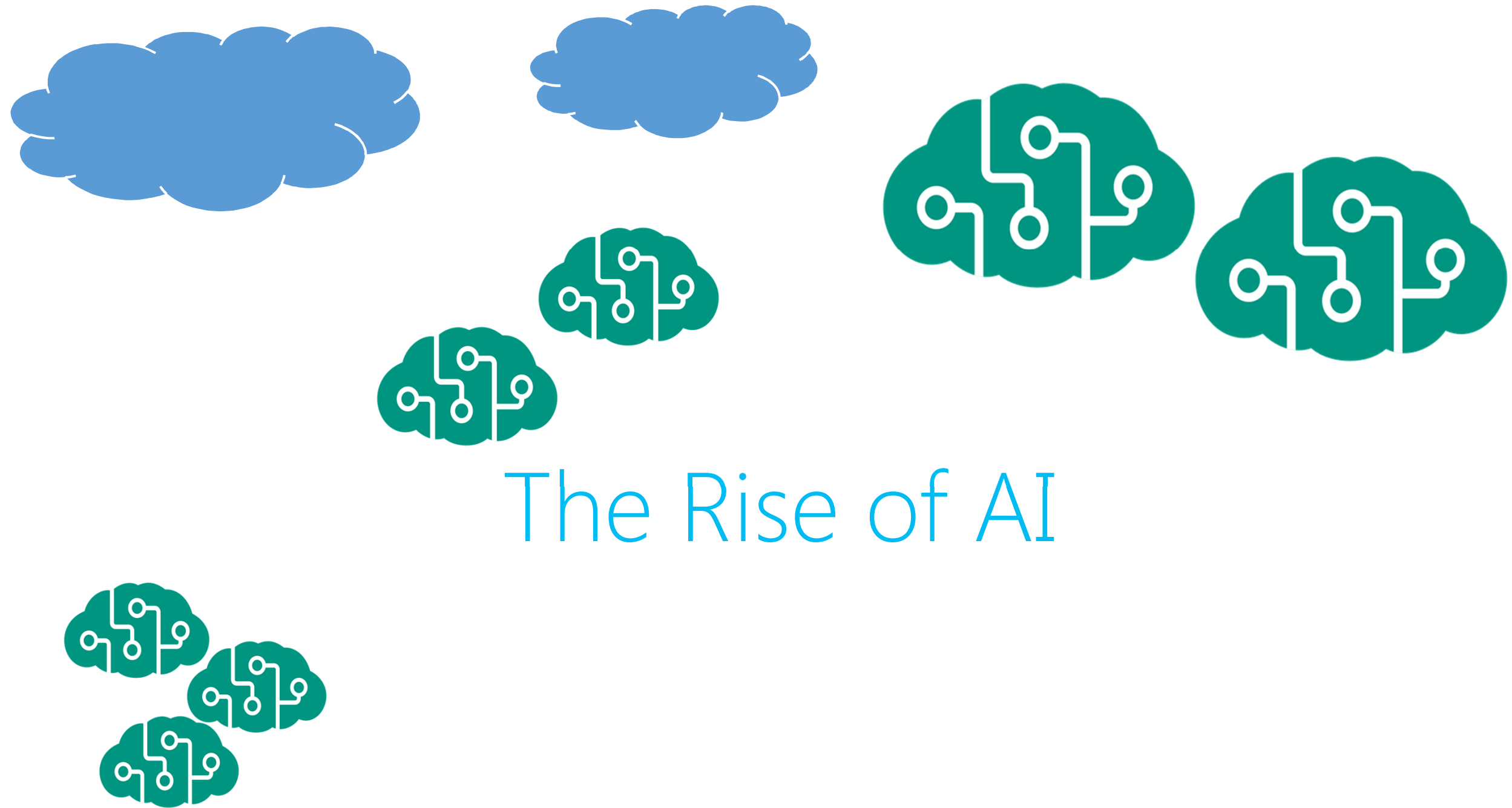




Azure Chat Bots Deep Dive





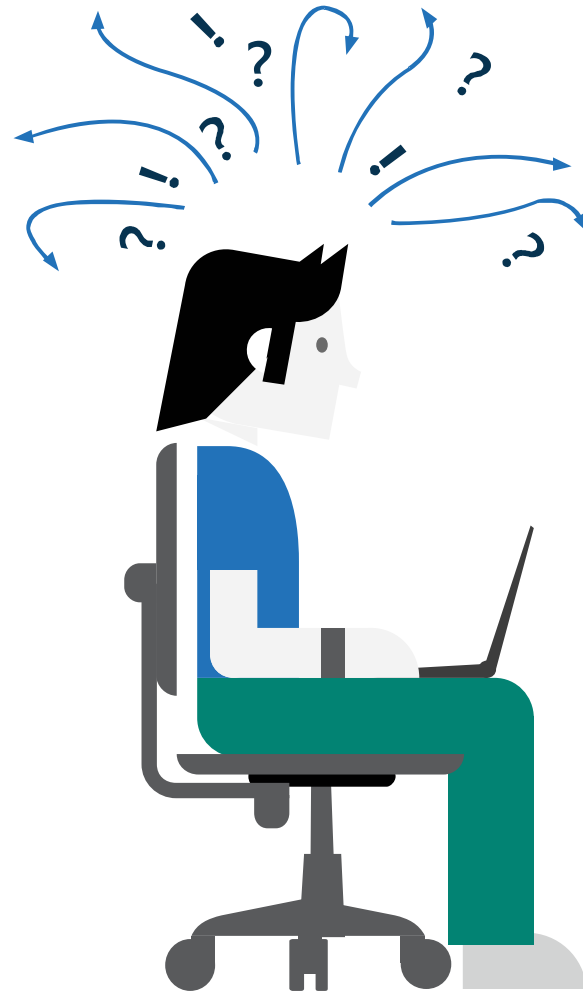
The Rise of AI

I would like to order some food

Hey, Good to See you back...
Would you like to checkout
the new Italian Restaurant in
the city and try out
"Pepperoni Pizza" there ?

Search

Sounds Good, Book It !



28 Years Old, Female
Language – English
Sentiment – Neutral
Seen Before – Yes (Voice, Face)
Context – Good Places to Eat

Search
Sentiment (face, text)
recommendations

I am Glad that I am able to help you
today. Have a good day !

Book
Sentiment (face → Happy)
Context – Italian Restaurant Booking



Agenda Topics

1

✓ Introduction

2

✓ The What, How
and Why of
Chat Bot

3

✓ What are Bots

4

✓ Microsoft Chat
Bot Anatomy

5

✓ Hello Bot

6

✓ User Input Bot

8

✓ Waterfall Bot

9

✓ Adaptive Card

10

✓ Cortona Bot

Who are we ?

Srikar Kumar Bhaskara

Azure Data + AI Solutions Architect
Founder & CTO @
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100 % Azure AI Focused
MIT Certified Data Scientist

Linked In : <https://www.linkedin.com/in/srikarkumar>

Kevin McCarty

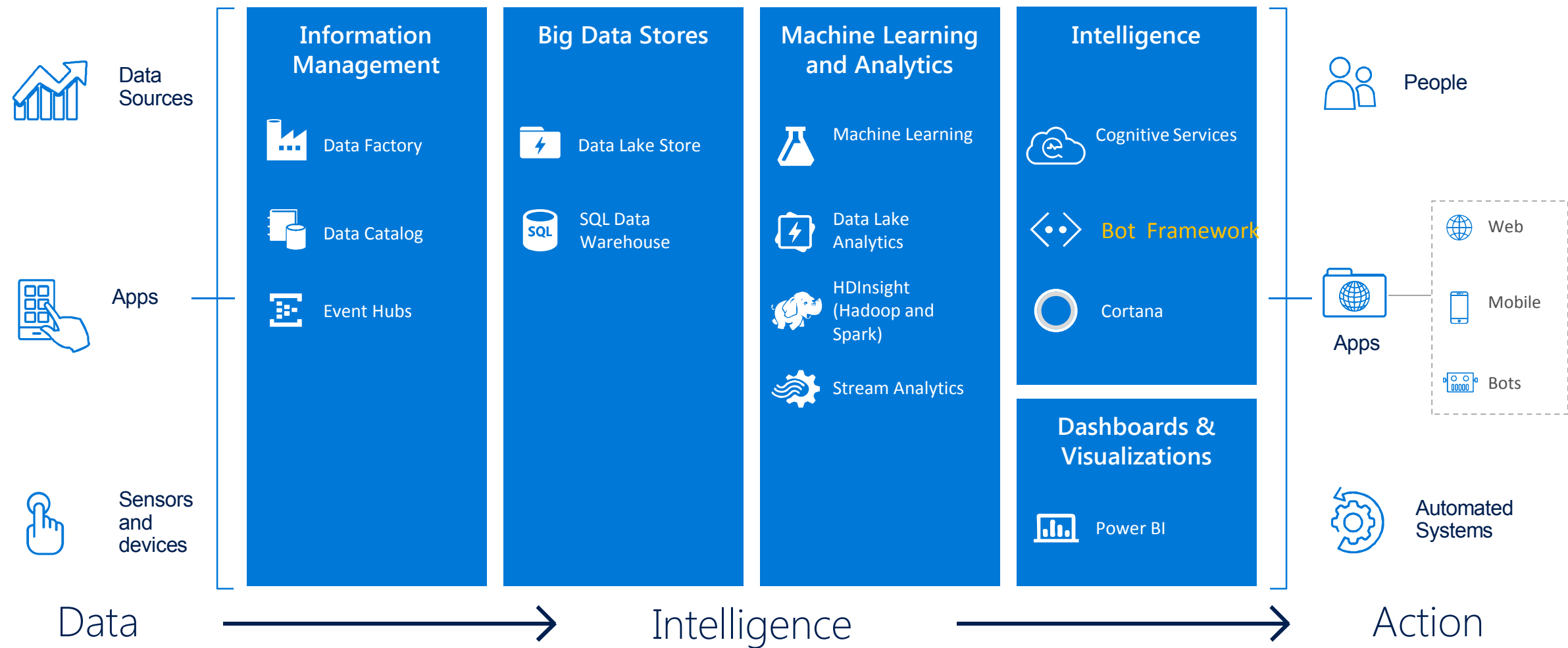
30+ years in the industry with 20+
years of experience in data science
and data analytics

Azure Expert
Microsoft Certified Trainer

Linked in: <https://www.linkedin.com/in/kevin-mccarty>

The What, How and Why of Cognitive Services

Cortana Intelligence Suite | Overview





What is Bot ?

Bots are users embedded inside a communication platform, But the users are not human but software that interact with the external world and help perform their work or day to day activities

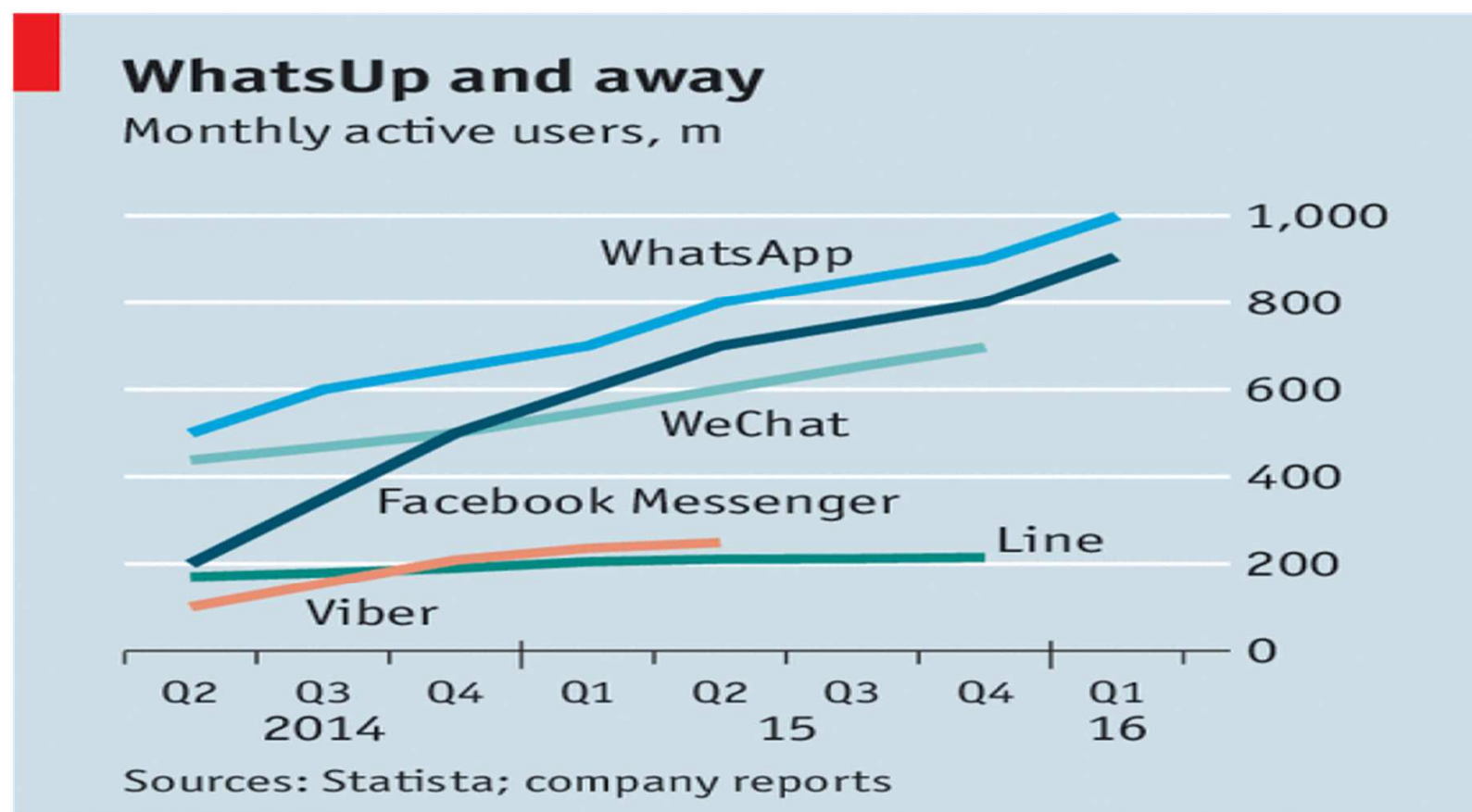
A piece of program that acts like the “**First Class Citizen**” and provides all support for a particular line of business

A business shift from Desktop to Web to Mobile App to Message Apps

Just another Cross Hair Syndrome Effect ?

What do you think ?

App Economy to Bot Economy



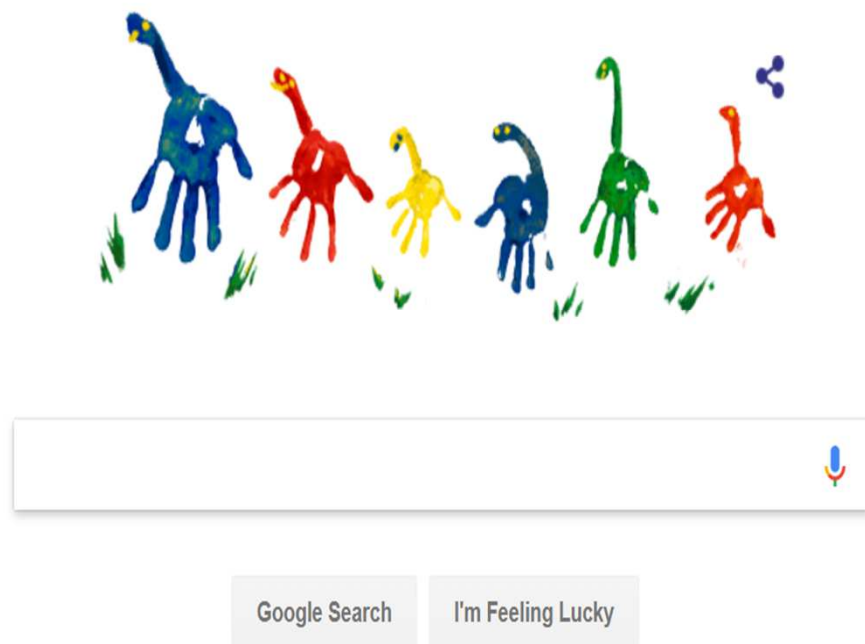
Economist.com



Conversational Commerce



»» Users are tired of Search Bars



2005: Seek Reponse

User: I ordered a book 2 days back. Not yet delivered

Care: The book has been dispatched. You should get it delivered by today.



2015: Interact

»» When to Replace Search Bar ?

Book a cab ?

Order Food ?

Get the status of your Order ?

Pay your Phone Bill ?

Plan and Book a Holiday Package ?

Resolving Issue in a services that's being provided ?

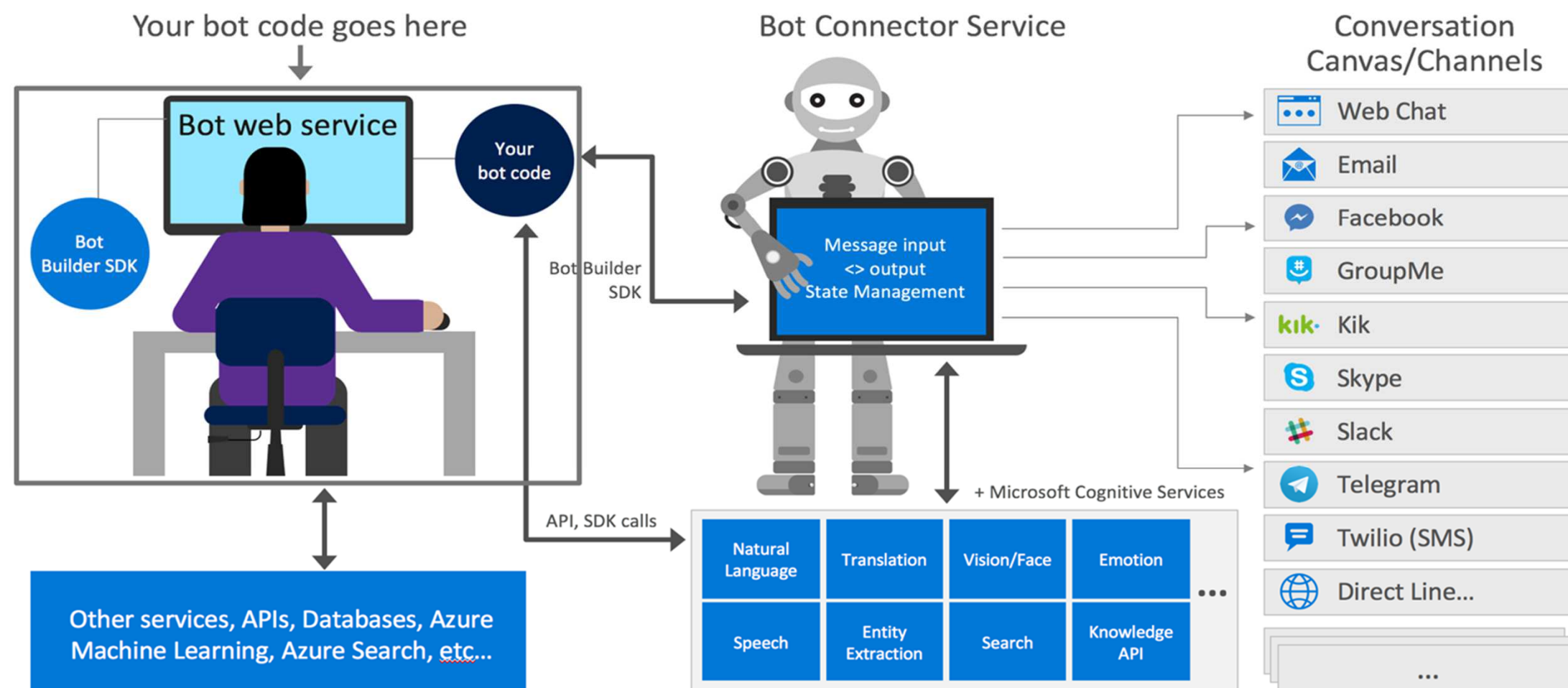
Replace FAQs ?



Four Levers of a Super Experience Bot

Extract the Intent
Build the Context
Personalize and Assist
Provide Relevant Results

»» The Anatomy of Microsoft Bot





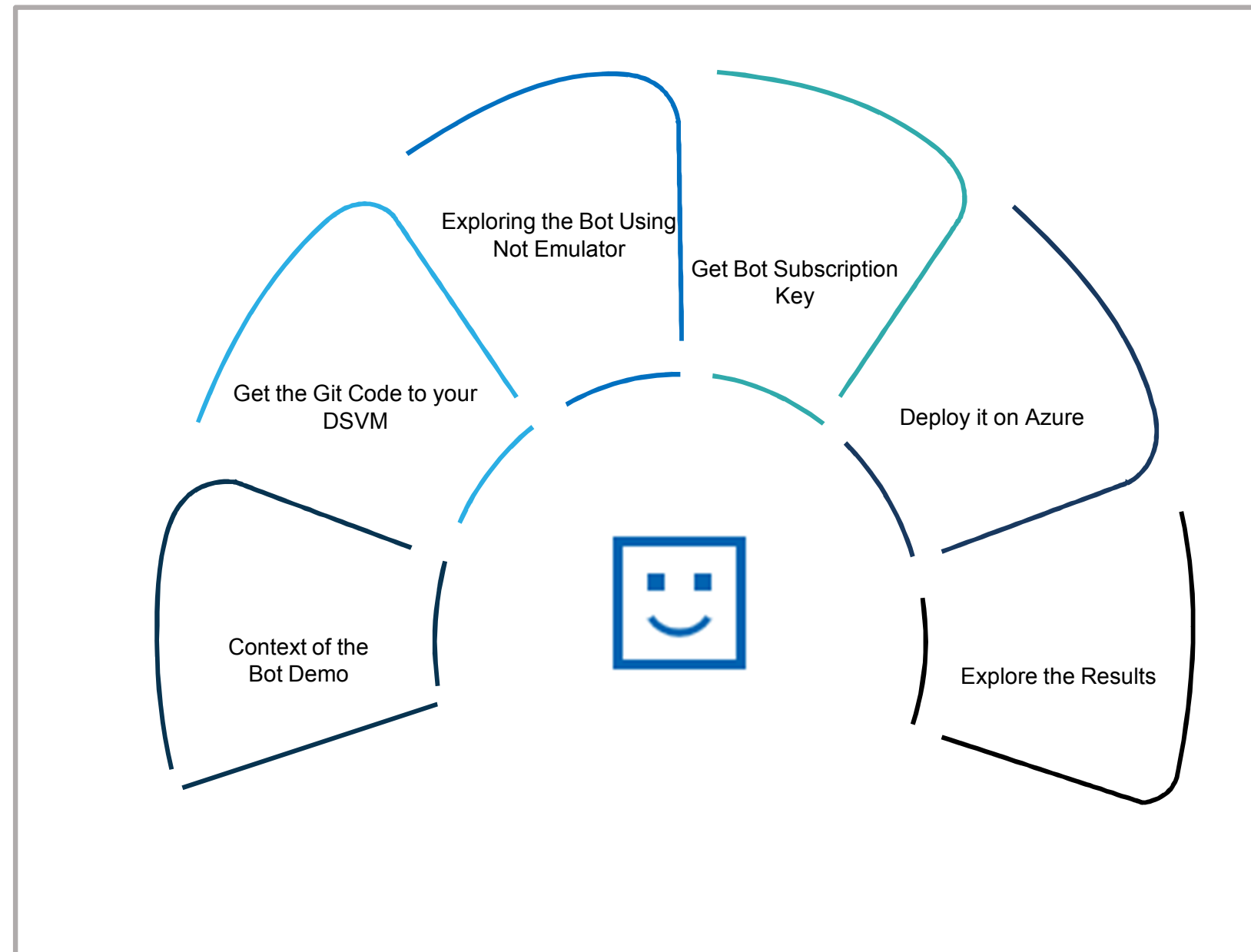
Types of Bot Service

Template	Description
Basic	Creates a bot that uses dialogs to respond to user input.
Form	Creates a bot that collects input from a user via a guided conversation that is created using FormFlow (in C#) or waterfalls (in Node.js).
Language understanding	Creates a bot that uses natural language models (LUIS) to understand user intent.
Proactive	Creates a bot that uses Azure Functions to alert users of events.
Question and Answer	Creates a bot that uses a knowledge base to answer the user's questions.

“Hello World” Bot Demo



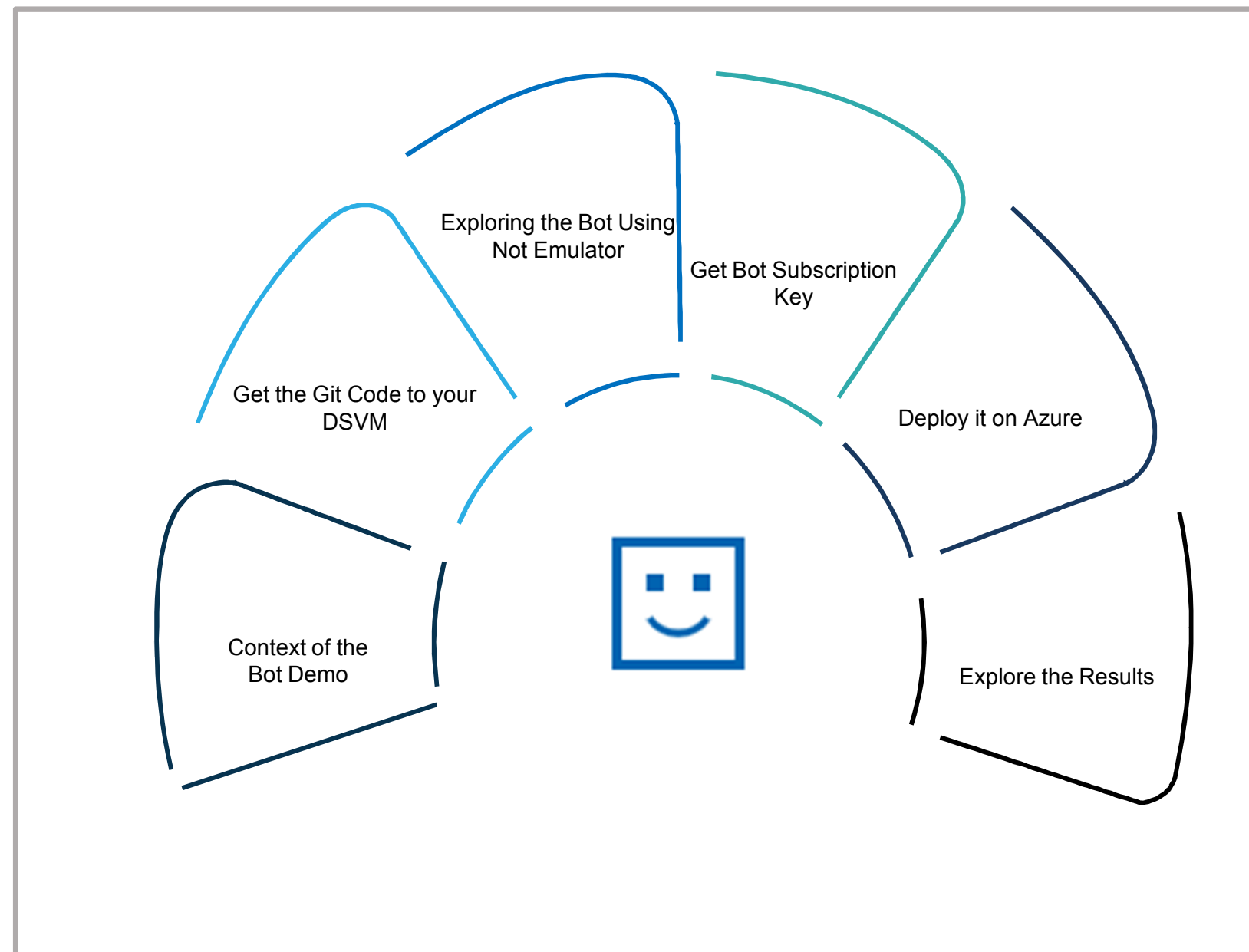
- Simple “Hello Word” Demo



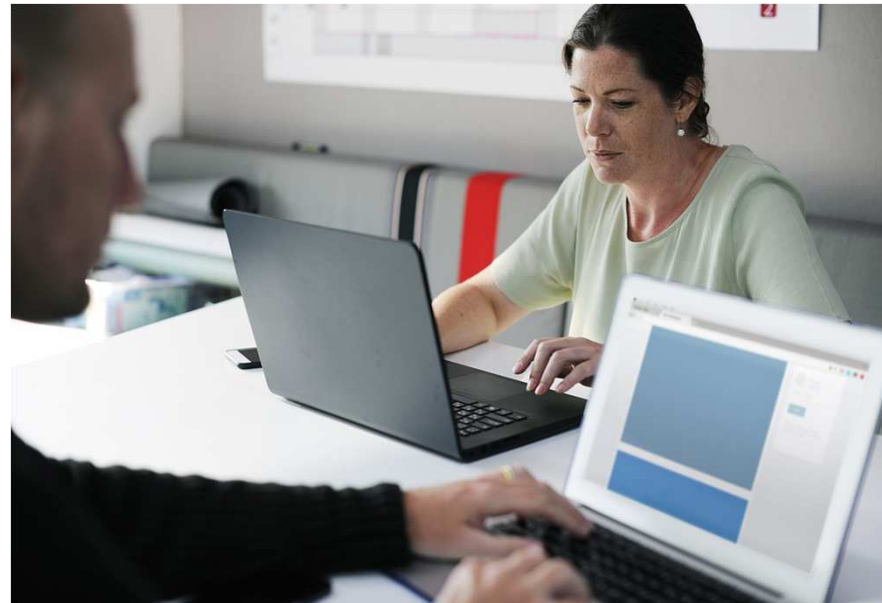
User Input Bot 1 Demo



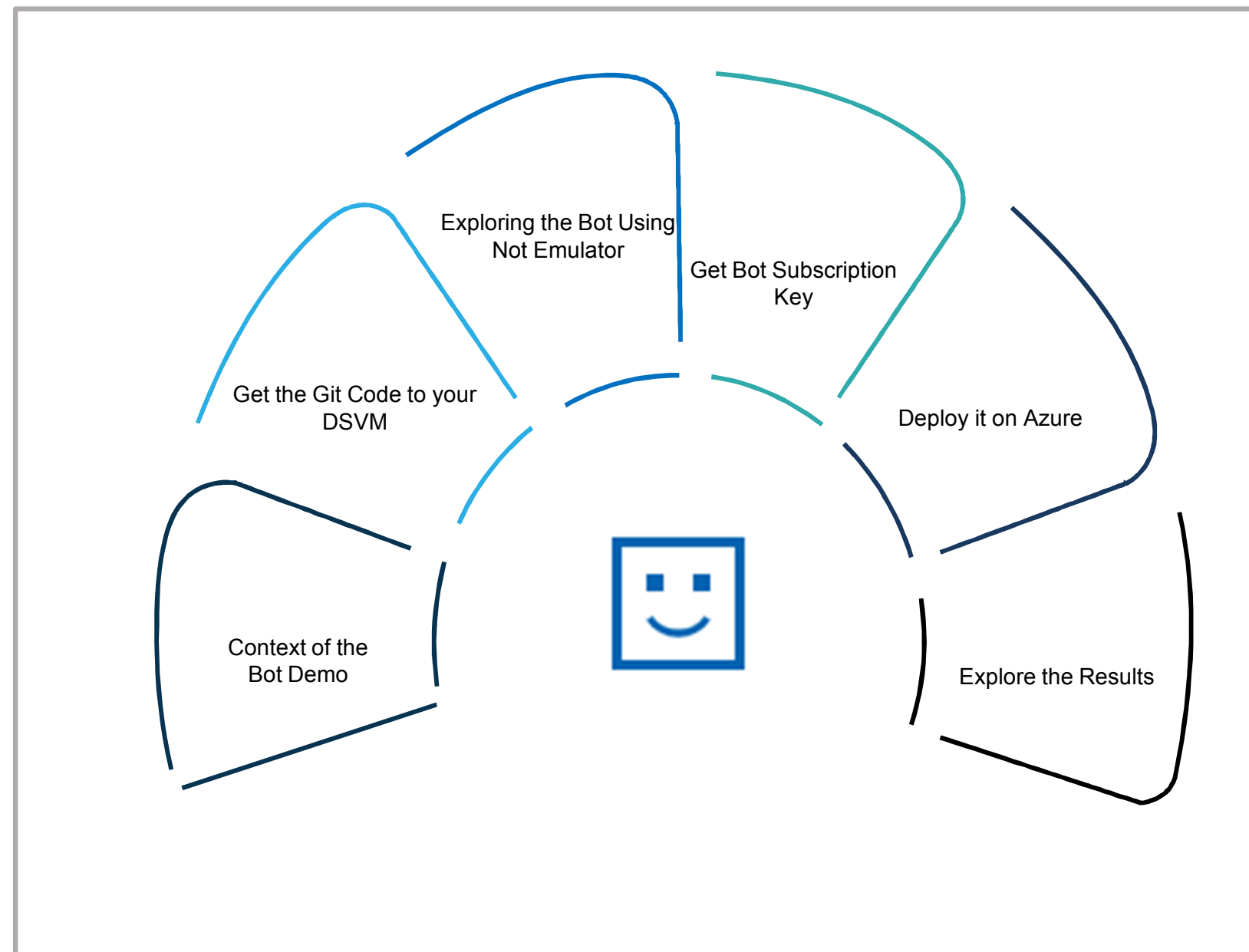
- Prompting User for an input as text
- Responding back to the user with stored value



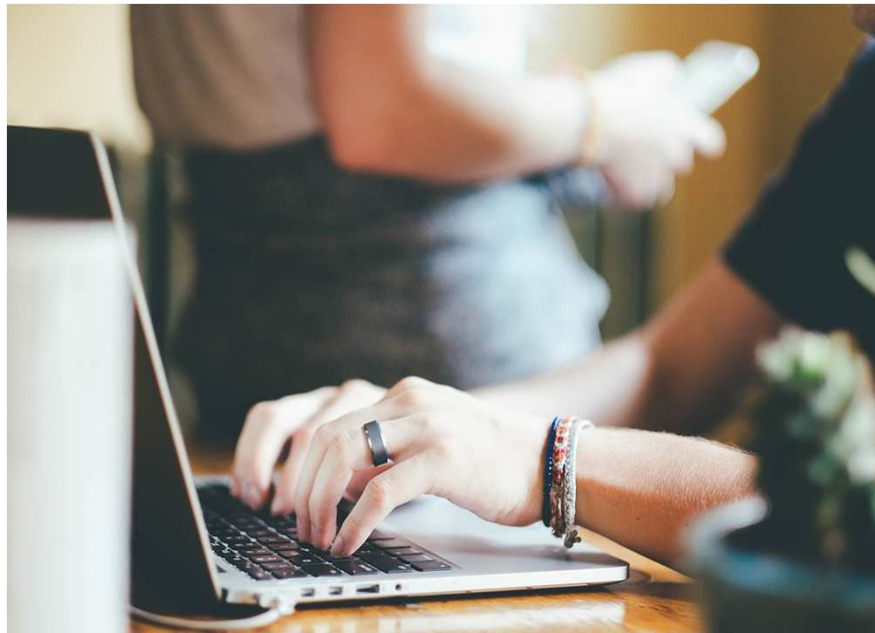
User Input Bot 2 Demo



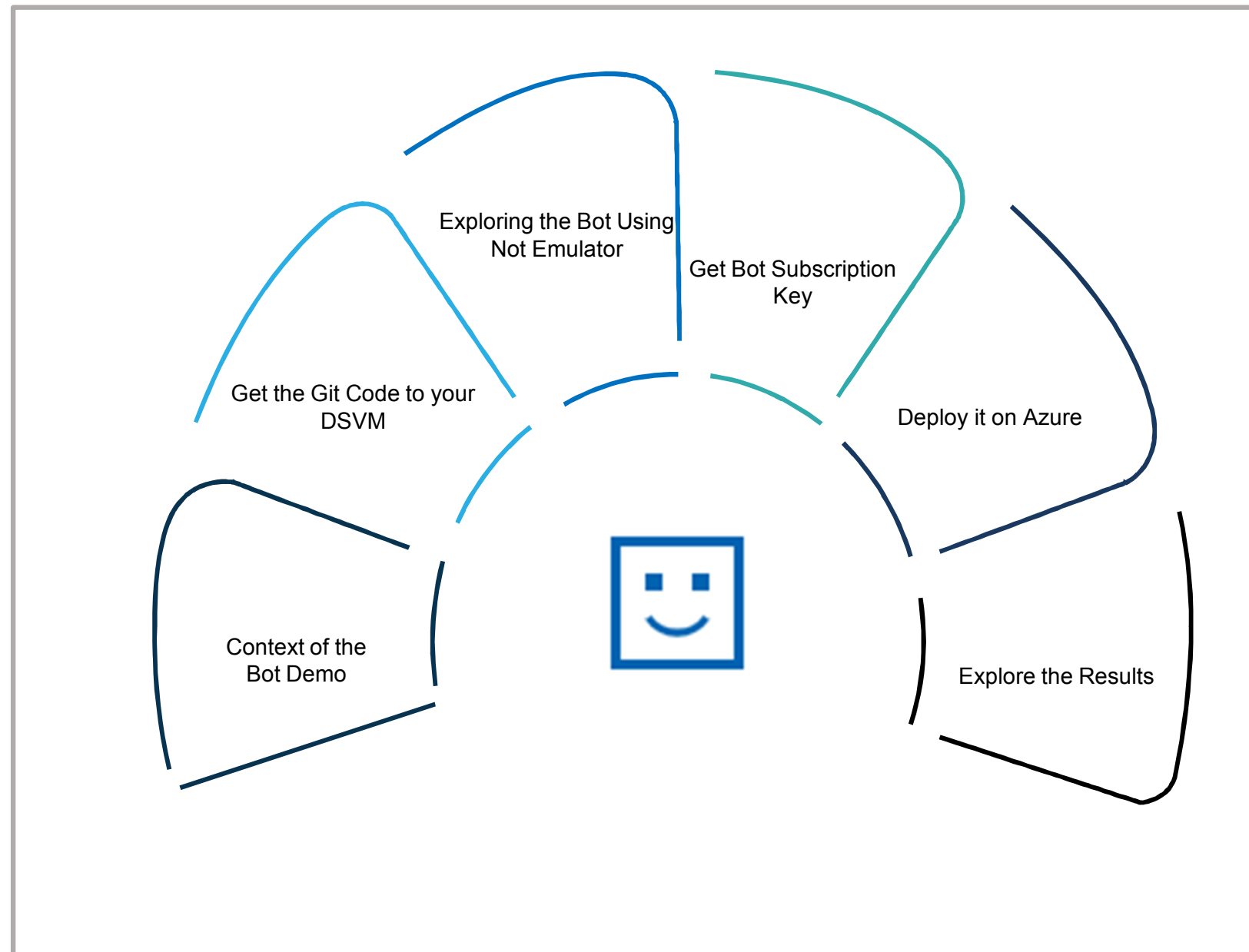
- Prompting User for an input as a Choice
- Responding back to the user with stored value



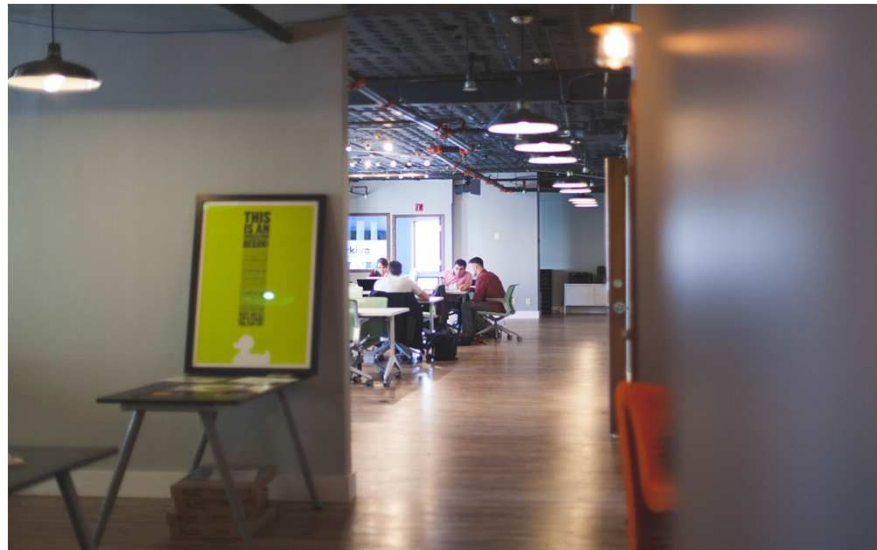
Waterfall Bot Demo



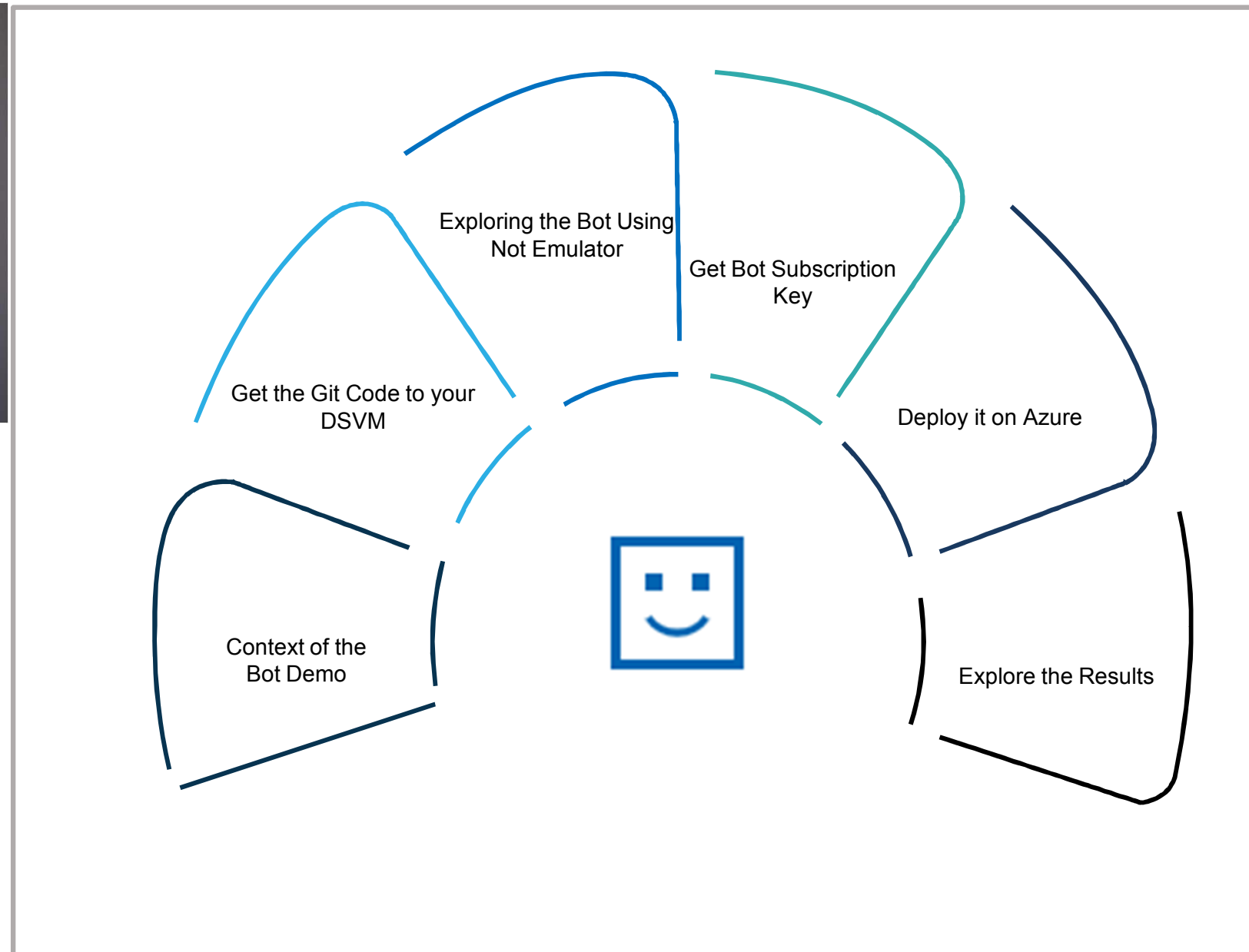
- Prompting the User for Series of Inputs
- Responding back to the user with the summary of stored values



Adaptive Card Bot



Building Beautiful UI to Bot



Cortana Bot Demo



- Analyze Image
- Find a Celebrity
- Find a Landmark

