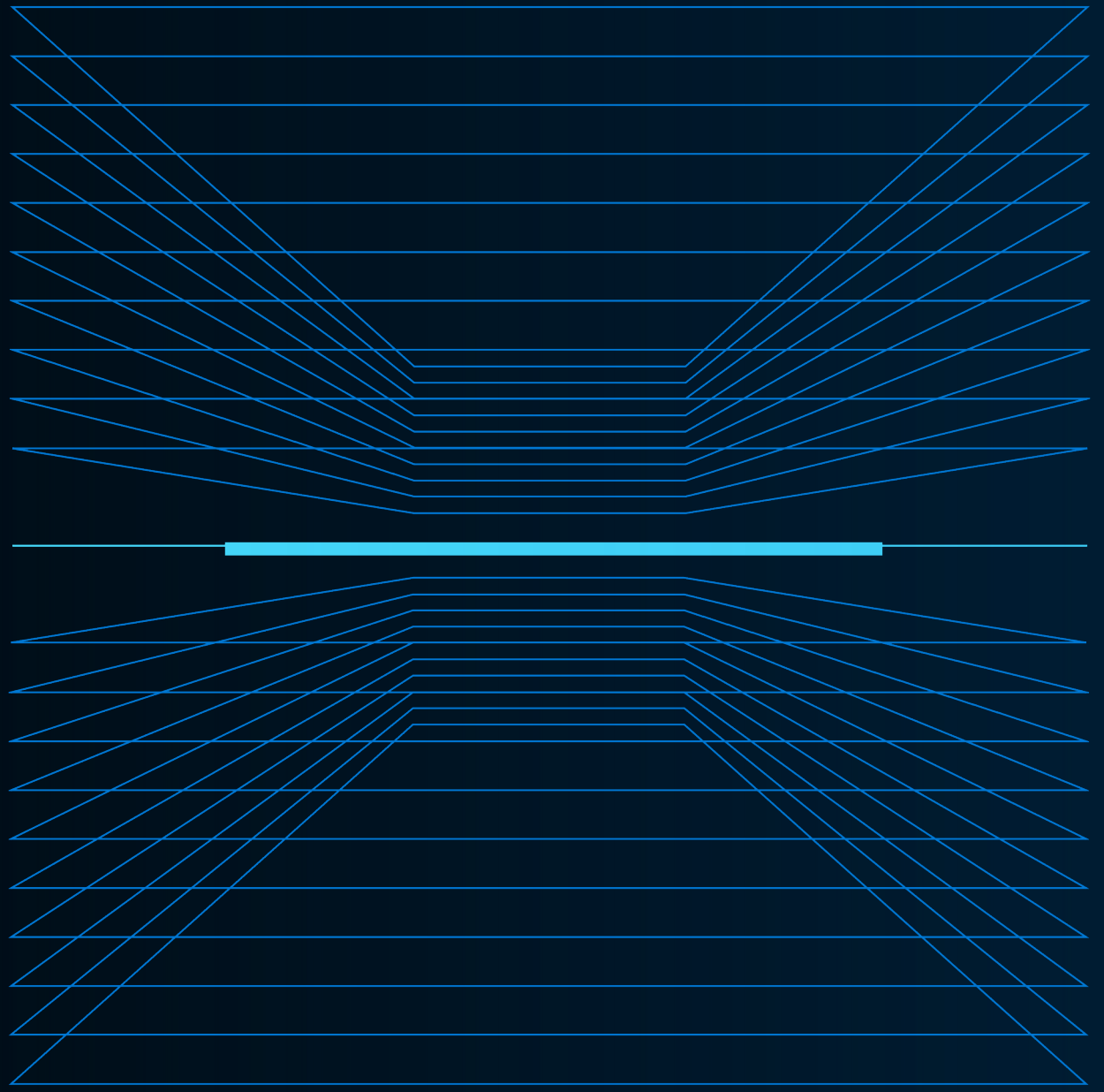
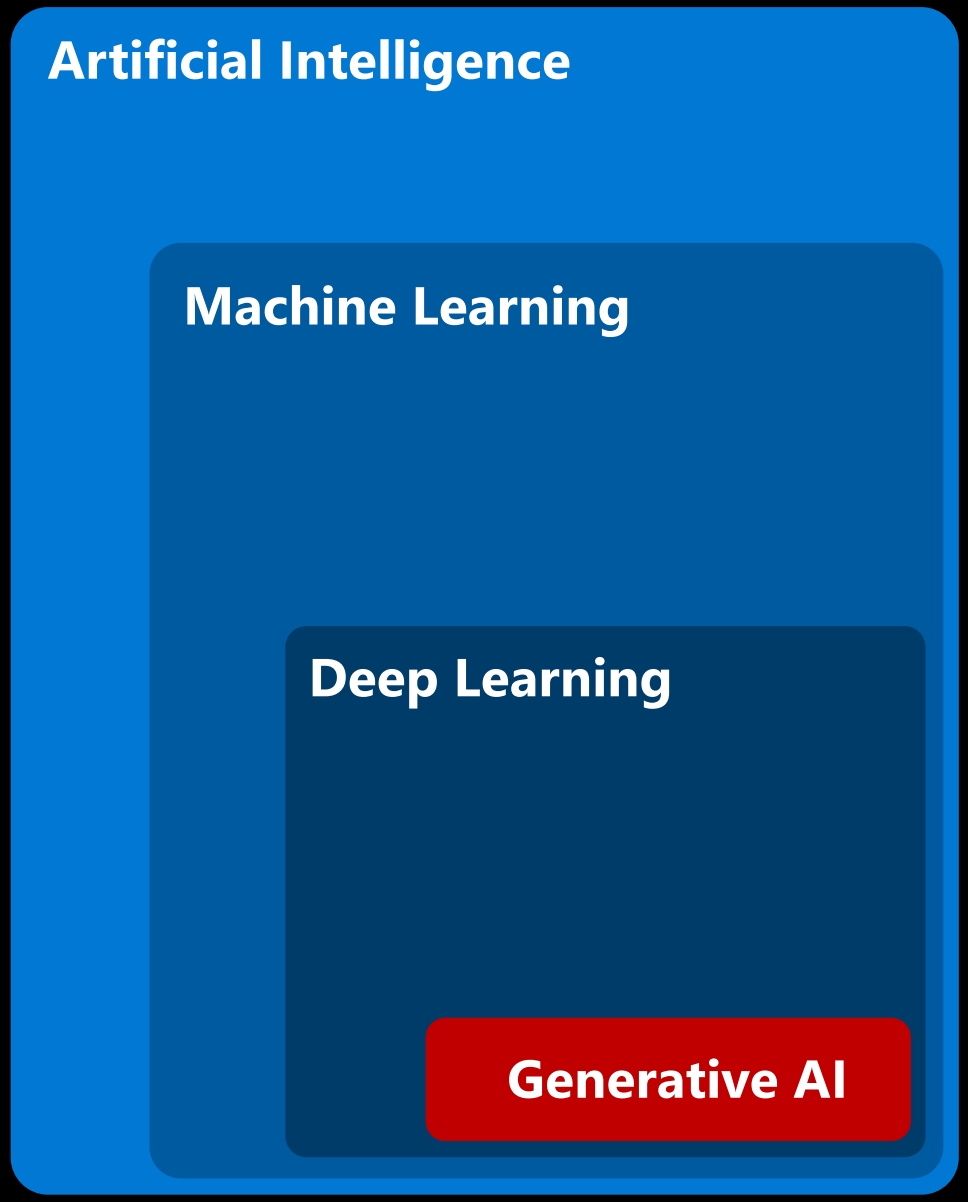
Azure OpenAI Workshop





1956

Artificial Intelligence

Intelligence demonstrated by machines

1997

Machine Learning

Learn from data

2017

Deep Learning

Model after the human brain (Neural Networks)

2021

Generative AI

Create new written, visual, and auditory content

Ensure that artificial general intelligence (AGI) benefits humanity.

+

Empower every person and organization on the planet to achieve more

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GPT-3

Generate and Understand Text

Codex

Generate and Understand Code

DALL·E

Generate images from text prompts

OpenAI Microsoft

Generative AI

GPT-3

Prompt:

```
Write a tagline for an ice
cream shop.
```

Response:

```
We serve up smiles with every
scoop!
```

Codex

Prompt:

```
Table customers, columns =
[CustomerId, FirstName,
LastName, Company, Address,
City, State, Country,
PostalCode]

Create a SQL query for all
customers in Texas named Jane
query =
```

Response:

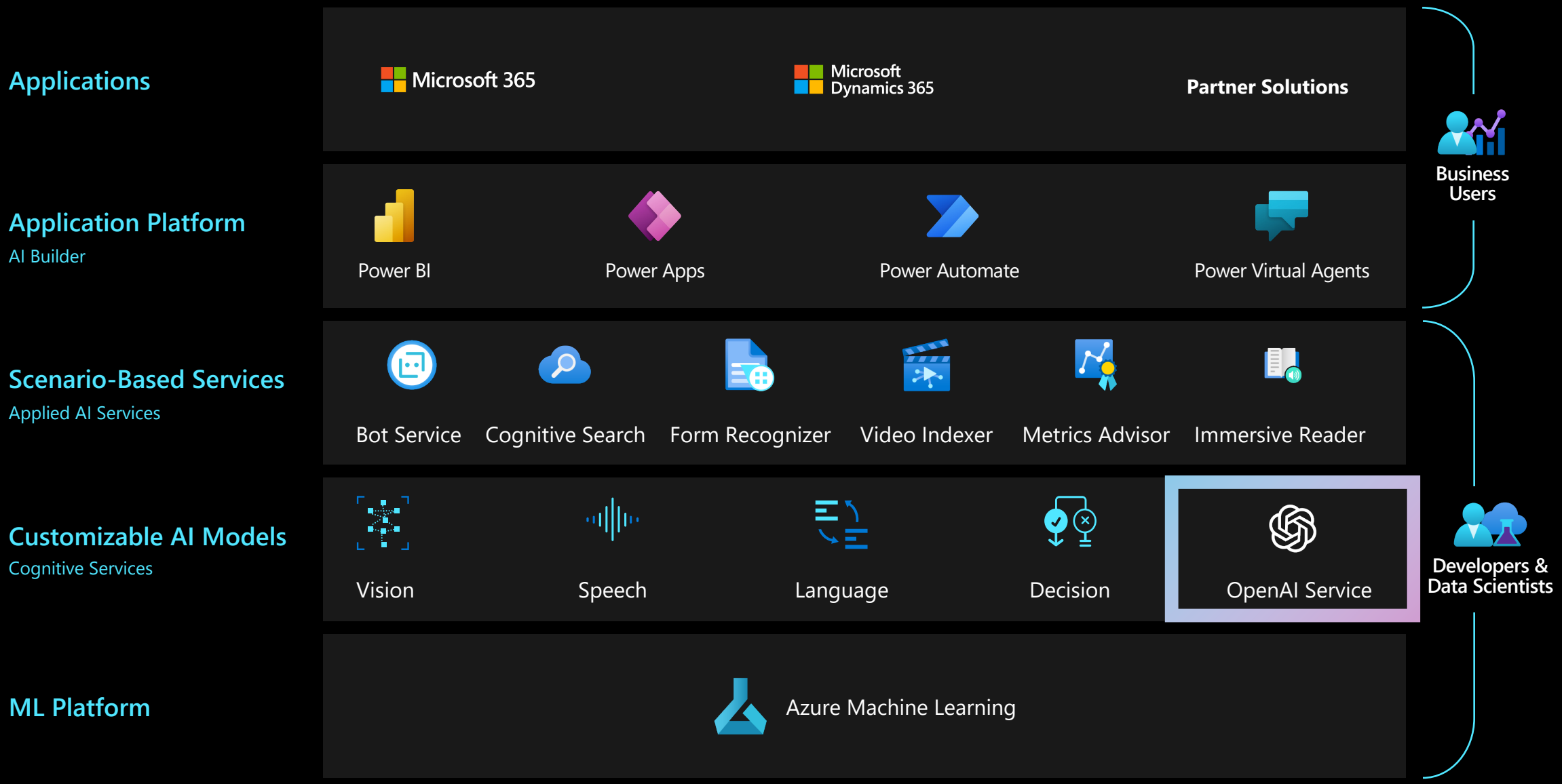
```
SELECT *
FROM customers
WHERE State = 'TX' AND
FirstName = 'Jane'
```

DALL·E

Prompt: A white Siamese cat

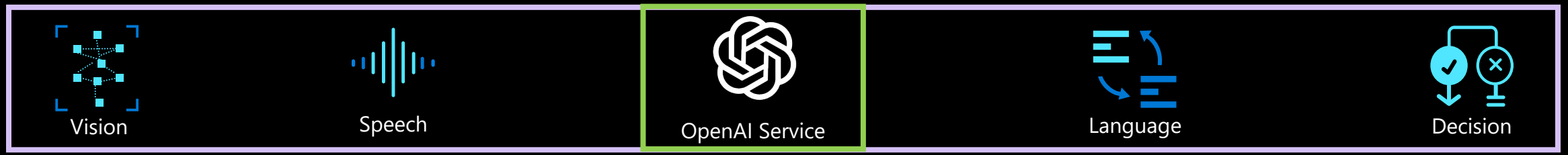
Response:

Azure AI


Applications
Microsoft 365
Microsoft Dynamics 365
Partner Solutions
Application Platform
AI Builder
Power BI
Power Apps
Power Automate
Power Virtual Agents
Business Users
Scenario-Based Services
Applied AI Services
Bot Service
Cognitive Search
Form Recognizer
Video Indexer
Metrics Advisor
Immersive Reader
Customizable AI Models
Cognitive Services
Vision
Speech
Language
Decision
OpenAI Service
Developers & Data Scientists
ML Platform
Azure Machine Learning

Azure OpenAI | Considerations

☑	**I need a general-purpose model that can handle multiple tasks.** e.g. translation+entity recognition+sentiment analysis
☑	**I need to generate human-like content, whilst preserving data privacy and security** e.g., abstractive summarization, content writing, paraphrasing, code
☑	**I need rapid prototyping and quick time to market for many use cases**
☑	**I could use a model with little or no training**
☑	**I want to explore solutions / use cases that have been described previously**



Azure OpenAI | Benefits

Increased efficiency and productivity by getting more done in lesser time through rapid prototyping and quicker time to market*

Faster time to realize value

Enhanced customer experience with a greater focus on customer-centric services and products, whilst utilizing feedback and trends better

Easy to use:
Even entry level data scientists or business users can use Azure OpenAI Service Playground

Ensure data privacy & security, and implement it in a responsible manner using a Trusted Cloud Provider

Does not require a long tedious annotation process*

Less training data is required for many relevant use cases*

Ability to perform text analytics and generation tasks that up until now were reserved only to humans

* in most relevant use cases observed