

# Accelerating Generative Al: Turning Answers into Action

Dilip Kumar (he/him)

VP, Amazon Web Services

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# Customers in every industry are excited about generative AI

Where should we use generative AI?

How do we get the most value out of generative AI?

How do we consider costs & ROI?

How to select a pilot project & evaluate it?

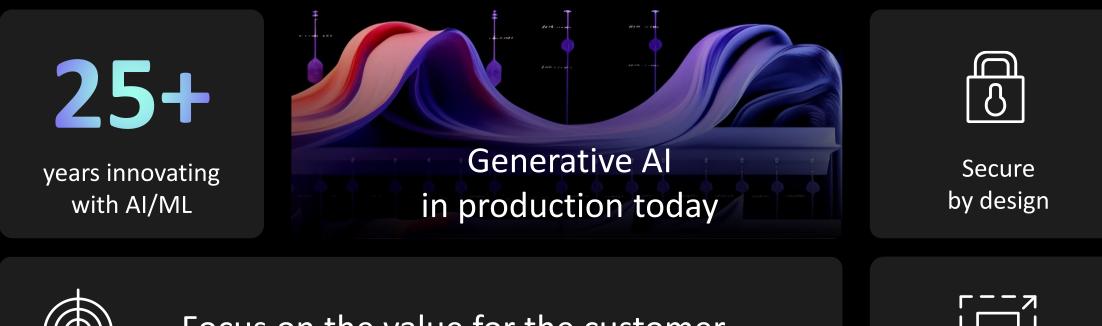
What do we need to start?

How do we know which model(s) to use?

How can we make sure users trust generative AI from the start?

but along each journey they encounter questions

## What has AWS learned with AI and ML?





Focus on the value for the customer



**Experience & learnings passed on to customers** 

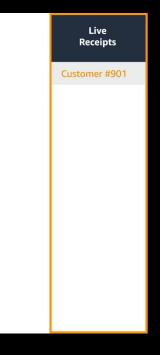
Scale matters



## Creating new experiences and businesses with Al

#### **Just Walk Out** A fast and frictionless shopping experience

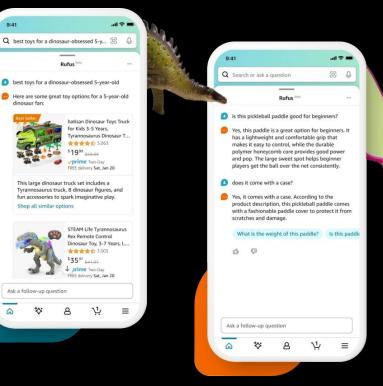




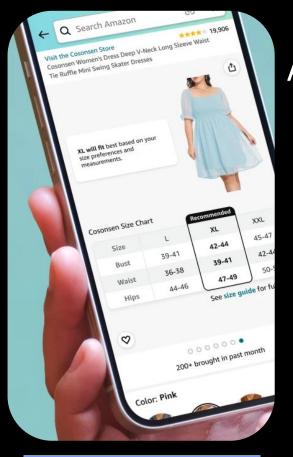
#### **Rufus**

**Generative AI-powered expert** shopping assistance

9:41



# Driving efficiencies at scale with AI



**4,000 products per minute** sold on Amazon.com

Al throughout the retail value chain

**Personalized Recommendations** 

**Fulfillment Centers** 

#### Middle and Last Mile Shipping



**1.6M packages** every day



Move
LEARN. EXPLORE. TEST.

# Build

CUSTOMIZE. INTEGRATE.

EVALUATE.

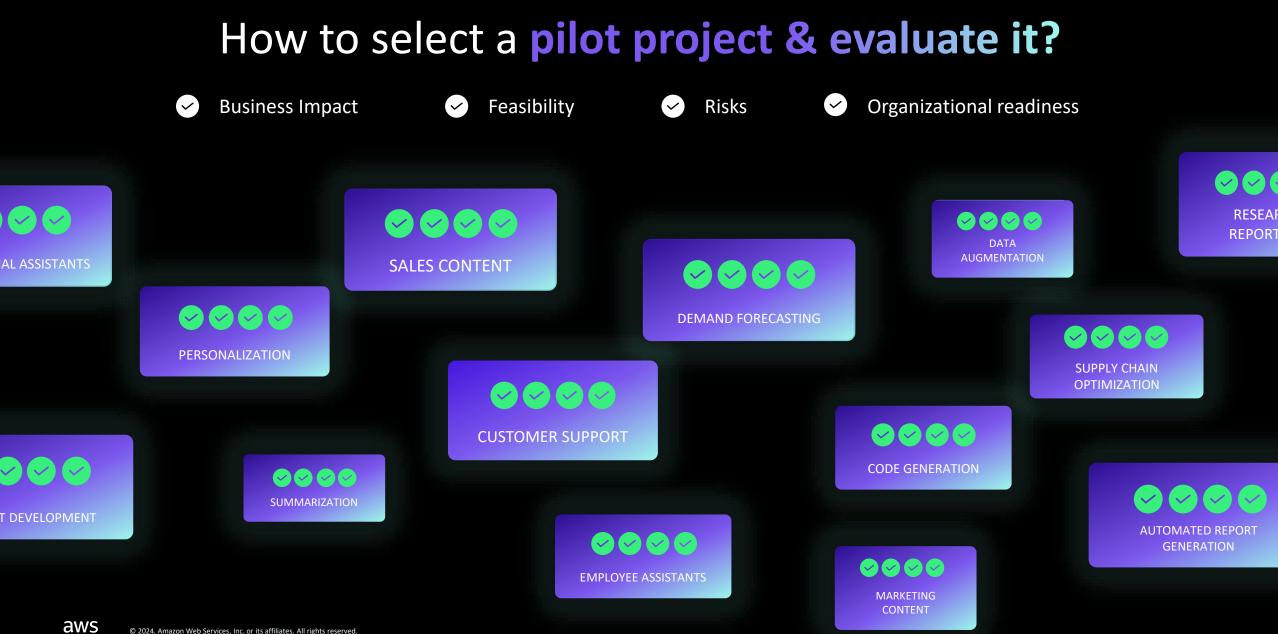
LAUNCH. MANAGE. REPEAT.

Scale

Move	Build	Scale
LEARN. EXPLORE. TEST.	CUSTOMIZE. INTEGRATE. EVALUATE.	LAUNCH. MANAGE. REPEAT.

#### Where should we use generative AI?





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# It sounds complicated. What do we need to start?

#### Leadership buy-in

From the top-down.

#### Data

Organized. Centralized. Complete and on the cloud.

Tools

To integrate, build, and scale.

#### **Business Value**

Measurable and tangible ROI.

#### Security & Privacy

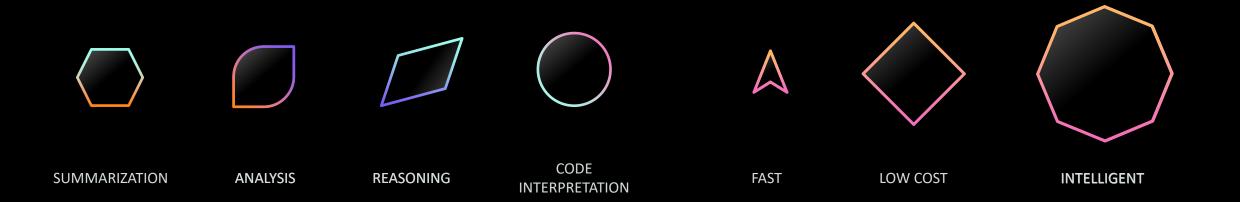
Built-in. From the start.



## How do we know which model(s) to use?

Model specialities

**Operational characteristics** 



## How do we know which model(s) to use?

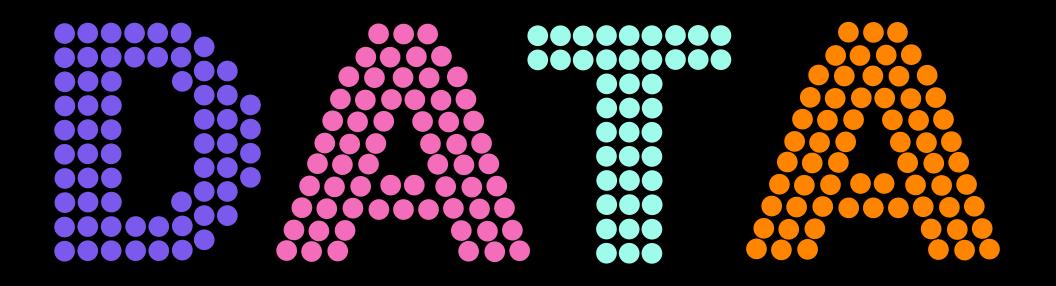
USE CASE CUSTOMER SUPPORT	USE CASE NEEDS	MODEL CHOICE
Summarizing & call categorization		
Direct customer chat engagements		
Multi-channel Engagement		



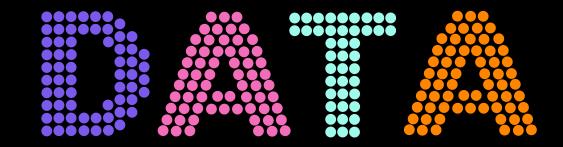
## How do we get the most value out of generative AI?

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#### How do we get the most value out of generative AI?

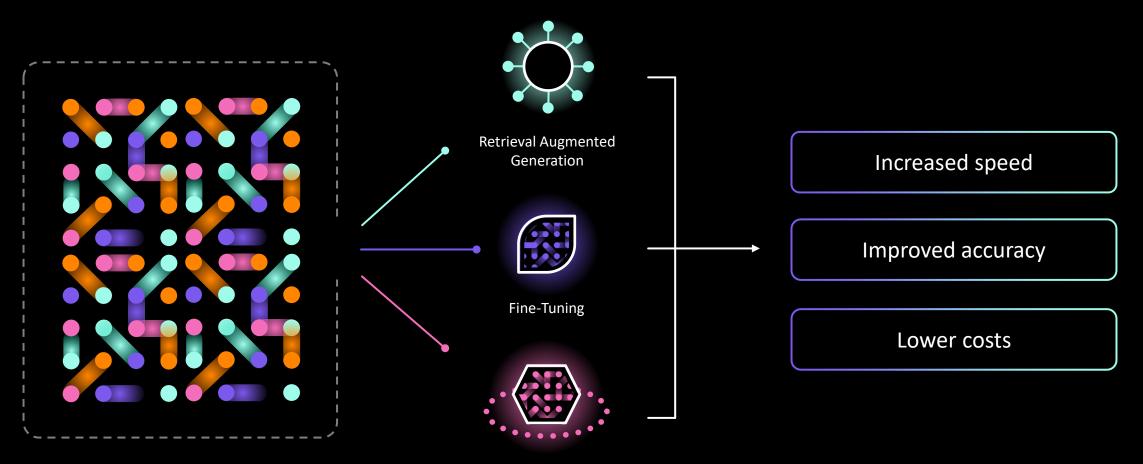


## What does "good" data for generative AI look like?





#### How can we **customize** with data?



Continued Pre-Training

# How do we know which customization to use?

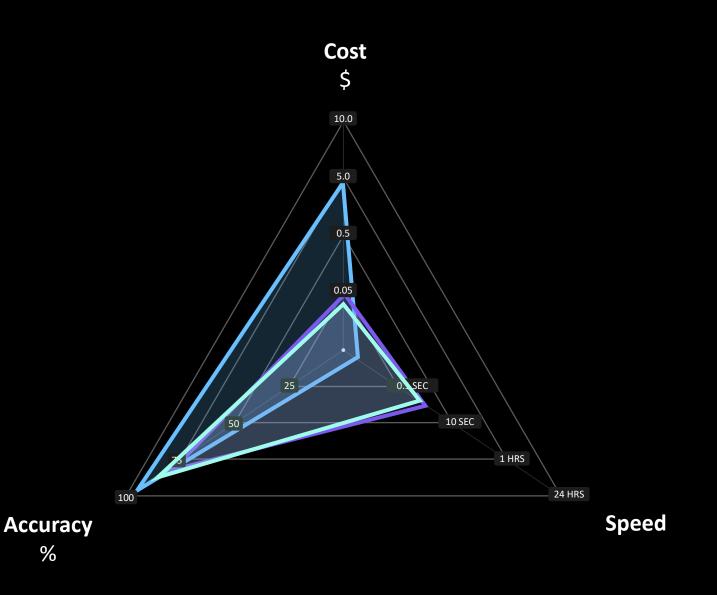
CUSTOMIZATION TYPE		USE CASE: CUSTOMER SUPPORT
	Prompt Engineering	Summarizing & call categorization
	Retrieval Augmented Generation	Sharing pre-determined data for customer inquiries
	Fine-tuning	Develop responses that align with your brand tone and voice. Match style of customer service transcripts for targeted responses.
	Continued Pre-training	Enhance general comprehension on your business



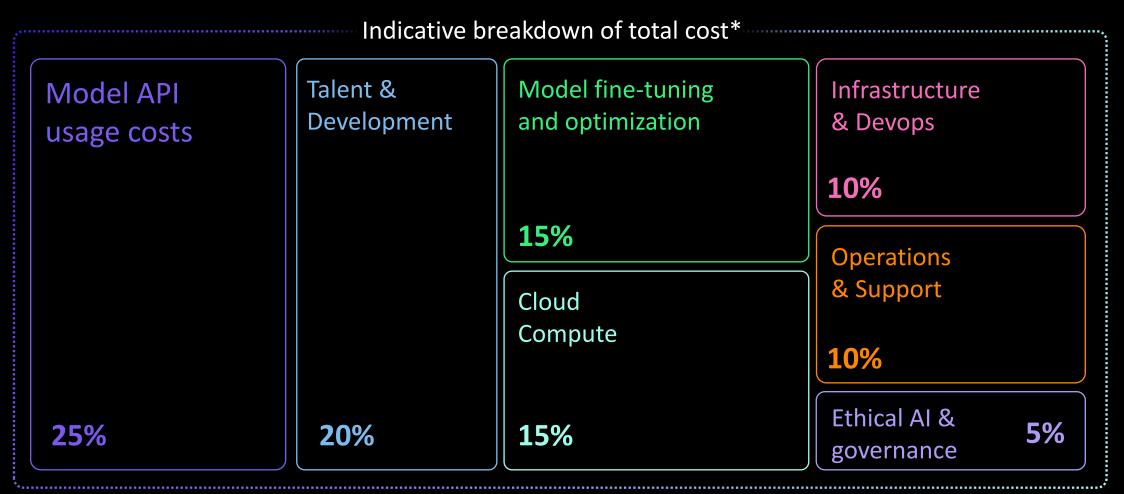
# How do we consider costs & ROI?

Goals

- Proof of concept
- Production



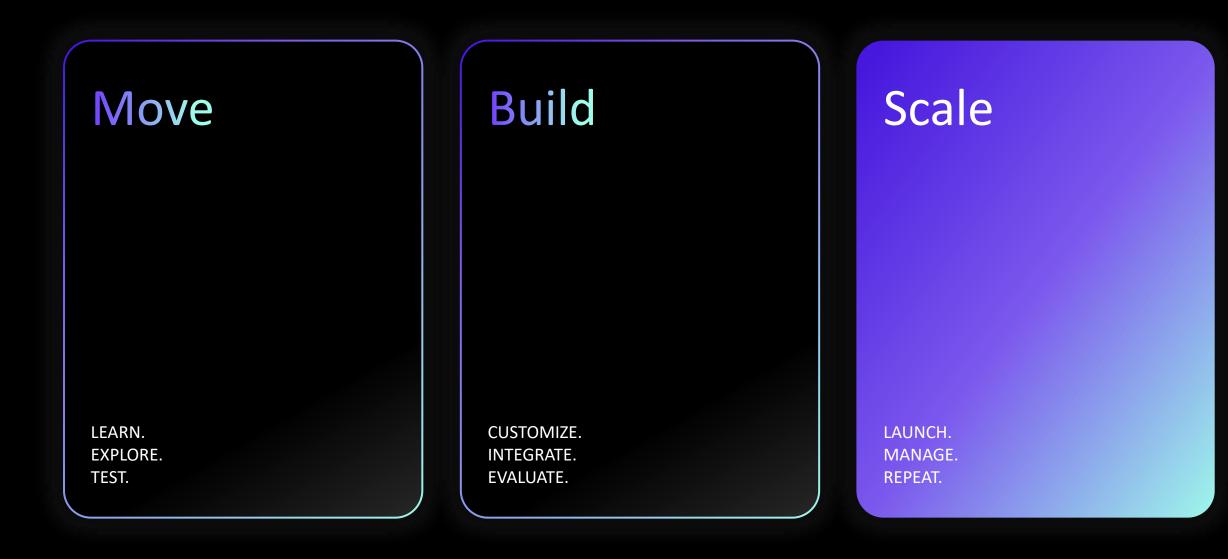
# What is the total cost of ownership with generative AI?



\*This example is for illustrative purposes only

# How can we make sure users trust generative AI from the start?





Data is secure & private



Proven return-on-investment



Stakeholder alignment

✓ C

Compliance & governance in place

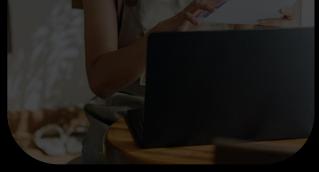


Responsible AI guardrails

# When should we move from pilot to full production?

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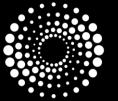










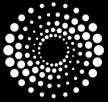


# THOMSON REUTERS









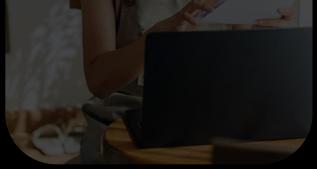
#### THOMSON REUTERS

#### ENABLING INNOVATION

AMAZON BEDROCK

- Thomson Reuters launched its own LLM playground in under 6 weeks
- Leveraged Amazon Bedrock and Amazon SageMaker Jumpstart to build and enhance Open Arena's capabilities
- Continuously improving Open Arena to keep pace with rapidly evolving generative AI landscape







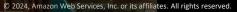




# **C** Showpad









# **Showpad**

#### BOOSTING PRODUCTIVITY

AMAZON BEDROCK

- Showpad leveraged Amazon Bedrock to securely train and run Anthropic's LLMs
- Scaled from early AI experimentation to 12 new AI features in just 1 year on Amazon Bedrock
- Boosted customer productivity with asset summaries, search, and message composing





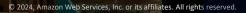
















#### DEMOCRATIZE DATA

AMAZON Q

- Empowered supply chain teams to derive actionable insights from complex data more efficiently with Amazon Q in QuickSight
- Build, discover, and share meaningful insights in seconds through natural language interactions

# What does **the future** hold for generative AI?

#### Agents

Complex tasks. End-to-end work flow automation.

#### Multi-modal

Any data types. Audio, video, text, tabular

#### **Multiple Models**

Complex solutions. Generative AI + Machine Learning.

#### **Al Policies & Standards**

Preparing for the future Safety and responsibility at the forefront.

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Scale



# Thank you!

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