





Ramanathan Pachaiyappan

Sr. Salesforce Solution Architect

Fujitsu North America, Inc





The first 800 Trailblazers to provide feedback on this event will receive a \$5 Starbucks gift card.*

- 1 Download the Salesforce Events app.
- 2 Scan the QR code or navigate to My Event, then My Surveys.
- 3 Take (4) Session Surveys and the Event Survey (available on Thursday).
- 4 Redeem your gift card at Badge Pickup on Thursday.

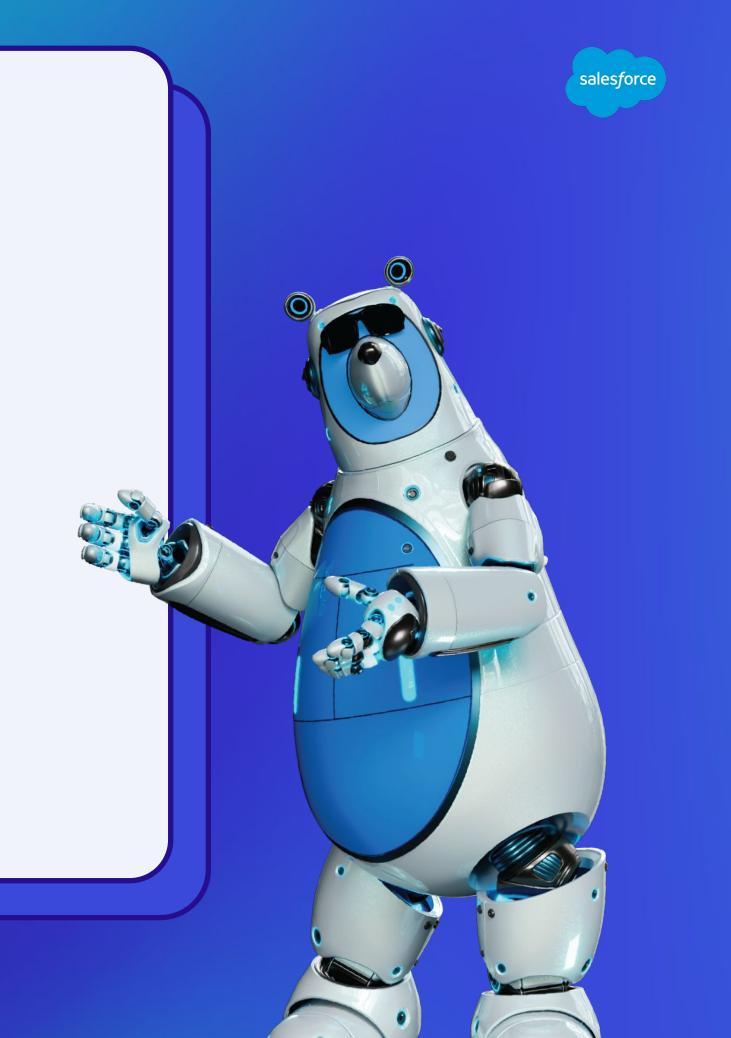
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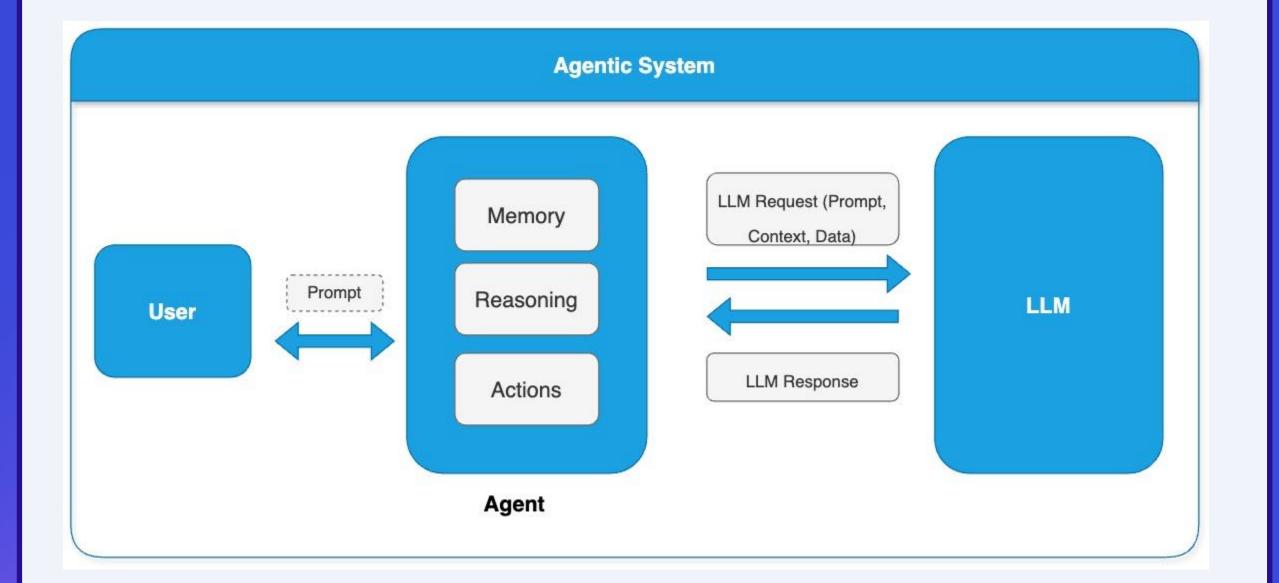
Agenda

- Introduction
- Prompt Basics
- Advanced Prompting Techniques
- Demos
 - Agentforce Optimization with Prompts
 - Task Automations with Prompts
- Q&A



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Introduction - LLMs & Agents



LLM Optimization Journey





Prompt Engineering

Logical first step to get started with LLM

2

RAG

Solve complex uses
cases with
knowledge
Augmentation

3

Fine Tuning

Train LLM for domain specific Use Cases

Model Distillation

Transfer large LLM knowledge to smaller LLM

Why Prompt Engineering?



• LLM with vast general knowledge, lacks context for enterprise adoption

• Challenges with Agentic systems to follow instruction & provide expected responses

Prompt engineering is the easiest way to guide and control LLM text generation

Solve NLP Tasks, Content Generation, Machine Translation, Agentic System, etc.

LLM Context Window

Amount of information of Model can lookup during prompt execution

In Context Learning (ICL)

Ability of Model to gain short term insight from instructions, examples, context provided New Context (ICL): Apex Data Types includes primitives, collections, enums, sObjects, etc

Model Knowledge (Pre-trained Weights)

Context Window: Apex is a Strongly typed OOP Language..

1

Prompt: What data type apex support?

LLM

Prompt Elements



Influencing LLM output generation

System Instruction Ex: You are a invoice data analysis agent Context, History, Example Share Examples, Context, etc **Validations** Ex: Order Id should be 15 or 18 character only Input Data Transaction data or RAG retrieval Response Format Examples of expected response format Questions/Ask **Detailed Question or Problems**

Prompt formatting is required in addition*

Few Shot Prompting (FSP)

Learn from examples

Teaching LLMs new concepts/patterns in the moment (ICL) through examples to improve model prediction accuracy and response.

Few Shot Prompting Demo

Chain of Thought (COT)

Let's think step-by-step

- Complex Arithmetic or logical problem solving requires step by step reasoning to get accurate result.
- Few examples with step-by-step reasoning will helps the model learn (ICL) and solve **similar** problems.

Prompt Chaining

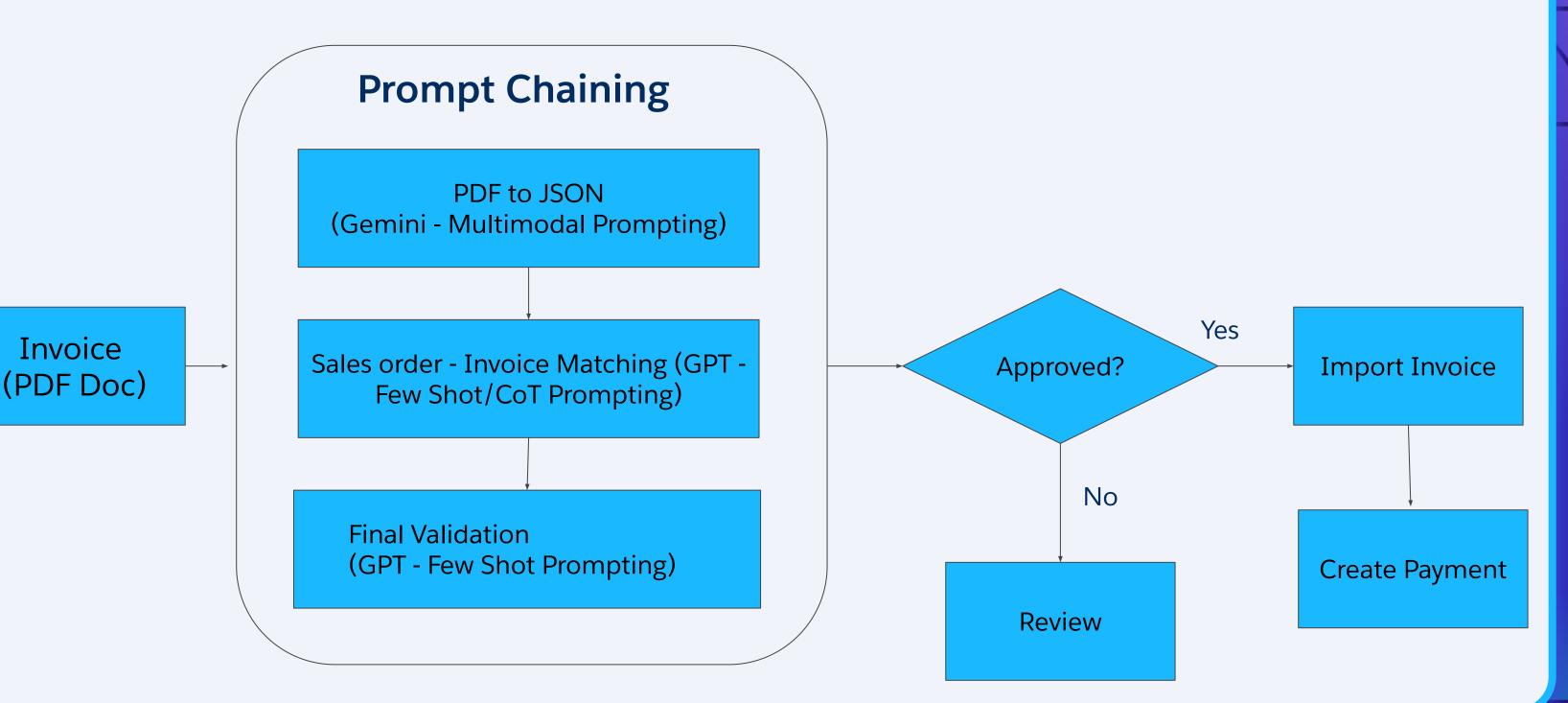
Orchestration using prompts & speciality models

Decomposing complex tasks into multiple prompts (sub-tasks),

solving with speciality models and chain to them build complex

workflows

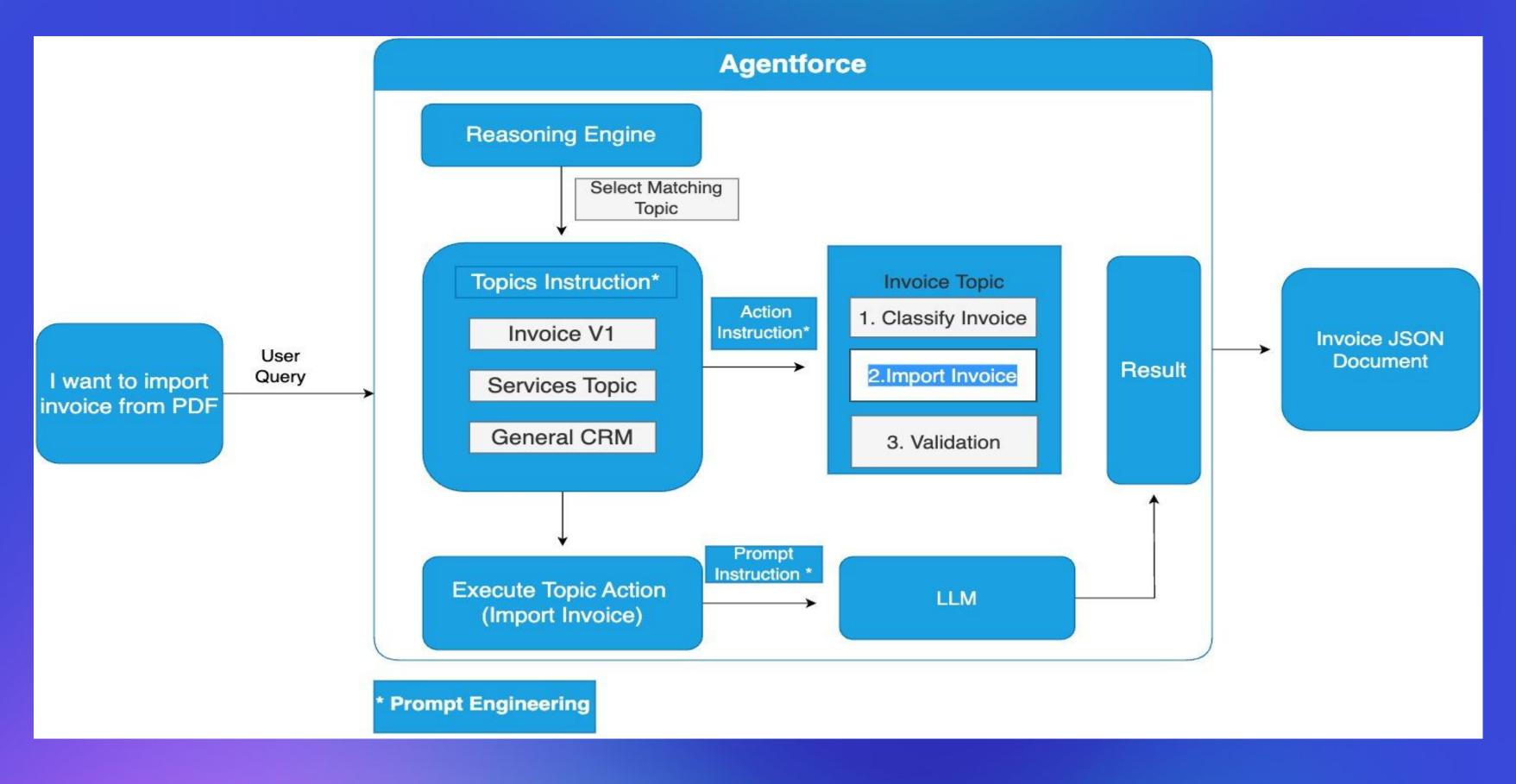
Let's Build an Invoice Agent



Prompt Chaining Demo

Prompting for Agentforce





Agentforce Optimization Demo

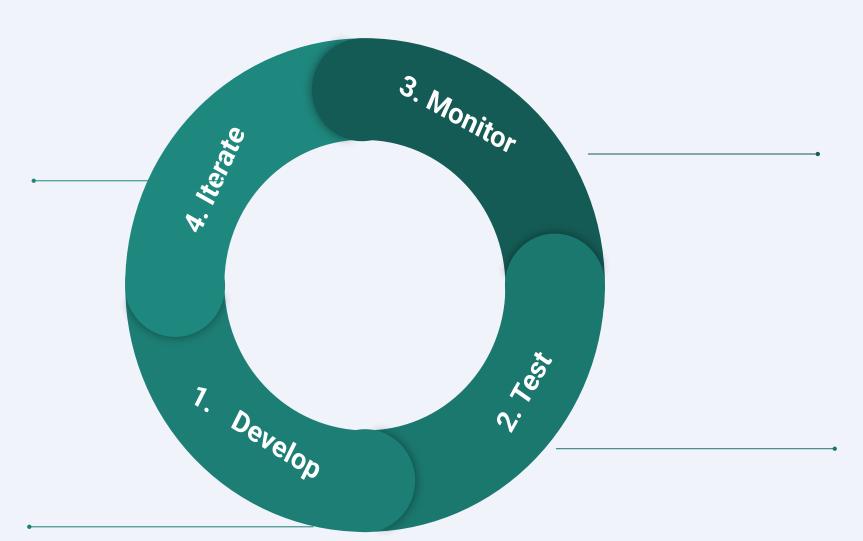
Prompt Lifecycle Management

Iteration

Prompt template for versioning, iterate with feedback, improve performance and accuracy

Planning & Development

Prompt Builder, Prompt Template, Model API, Platform Tools



Security, Analytics and Monitoring

Data Cloud AI
Reporting, Einstein
Trust Layer (Event
Monitoring, Masking,
Data Detect, etc),

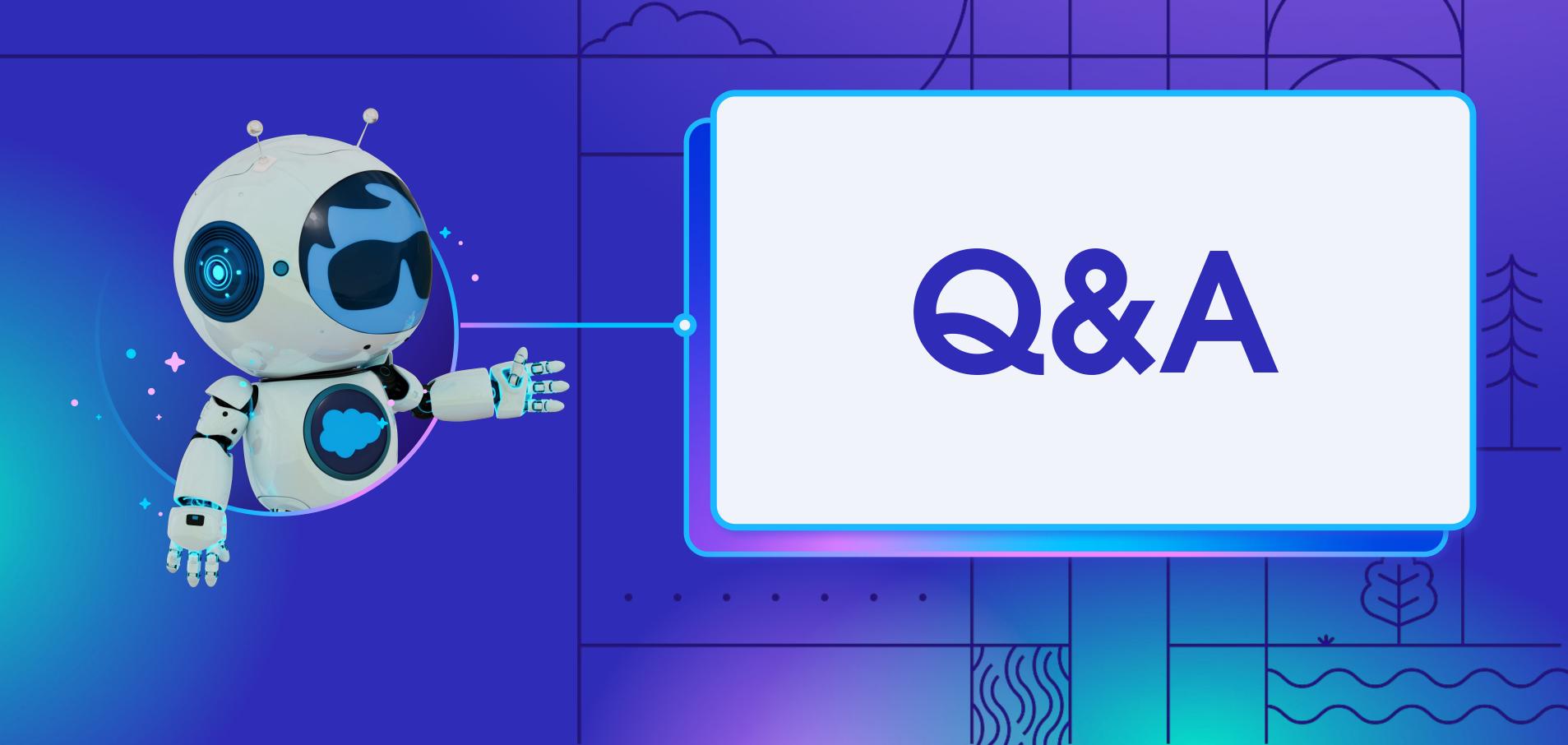
Testing & Evaluation

Manual Test, AI Test Center,

Open Source Eval (Promptfoo, DeepEval)







Resources





*Github repo link will be updated EOD