Blueprint

Delivering Intelligence That Matters

LLM Solution
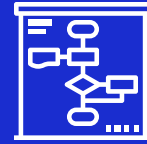## Rapid Prototyping POV

From the Blueprint LLM Center of Excellence (COE)

Blueprint

We Are Blueprint.

We are a data intelligence company committed to delivering the right data to the right person, at the right moment – because we believe intelligence matters.

We connect strategy to delivery. With expertise in cloud, infrastructure, data science, analytics, and application development, **our promise is that together, we can solve anything.**

BUSINESS STRATEGY
We help you redefine what's possible with our innovative business and technology strategies for exceptional, scalable, and repeatable results.

ACCELERATORS
Start with our stress tested pre-built solutions for speed to value. Our accelerators provide the base for your data loading, cataloging, querying, and Lakehouse needs.

TECHNOLOGY SOLUTIONS
Capitalize on cutting-edge technology to plan smarter, act faster, and maintain your competitive edge while decreasing costs, maximizing return on investment, and increasing revenue.

SERVICES AT SCALE
Leverage Blueprint's expert teams, processes, products, and support infrastructure to reduce cost and increase agility.

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The Overview.

ENGAGEMENT DURATION

90 DAYS

In 90 days, we accelerate solving an organization-specific business problem via a targeted LLM solution prototype.

OUTCOMES

ACCELERATED BUSINESS VALIDATION
Use case specific prototype that transforms your business, while dramatically cutting time to production.

UPLEVELED ORG CAPABILITIES
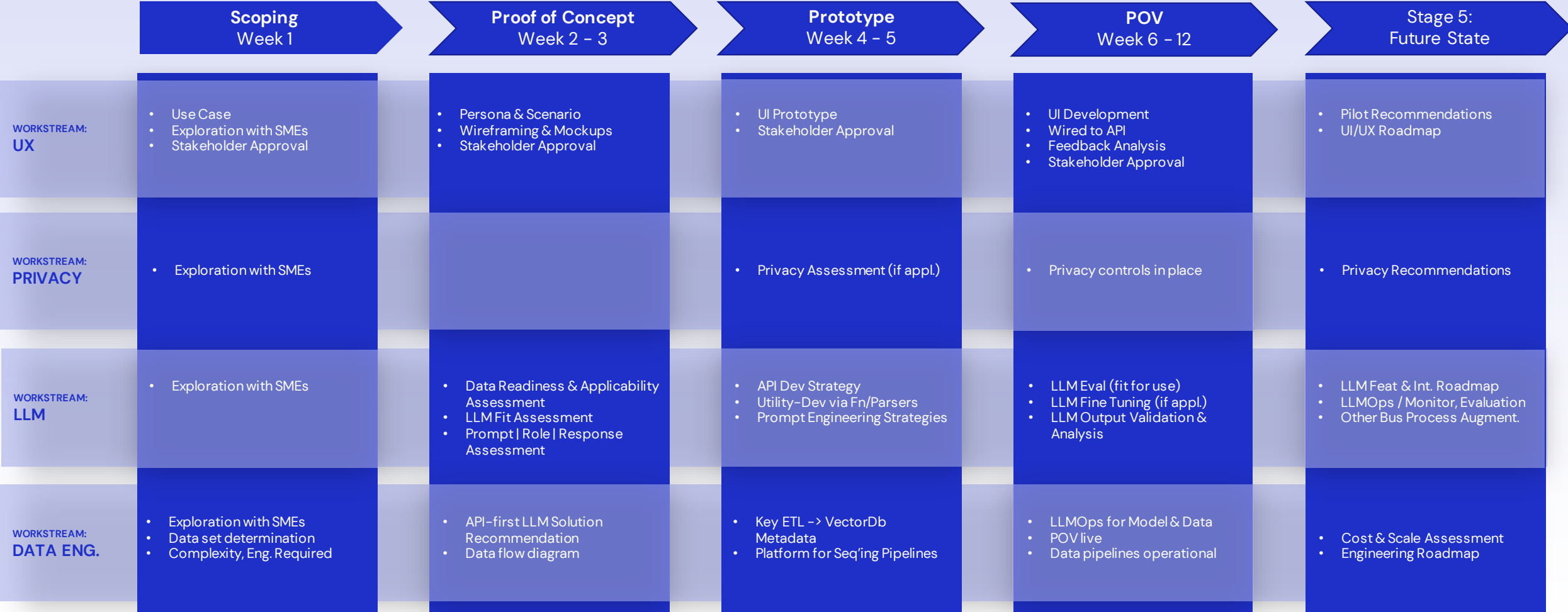Targeted consulting and proven methodology provided by our expert team to harness applied innovation.

UNIFIED AI STRATEGY
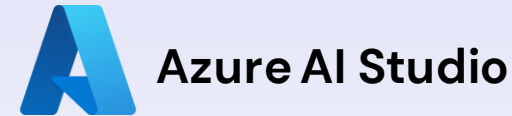Scalable and adaptable to org needs

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The Approach.

The LLM Rapid Prototyping Engagement leverages our proven **Facilitated Innovation (FI)** methodology. FI is executed through a series of distinct stages and workstreams designed to ensure business alignment.

	Scoping Week 1	Proof of Concept Week 2 – 3	Prototype Week 4 – 5	POV Week 6 – 12	Stage 5: Future State
WORKSTREAM: UX	• Use Case • Exploration with SMEs • Stakeholder Approval	• Persona & Scenario • Wireframing & Mockups • Stakeholder Approval	• UI Prototype • Stakeholder Approval	• UI Development • Wired to API • Feedback Analysis • Stakeholder Approval	• Pilot Recommendations • UI/UX Roadmap
WORKSTREAM: PRIVACY	• Exploration with SMEs		• Privacy Assessment (if appl.)	• Privacy controls in place	• Privacy Recommendations
WORKSTREAM: LLM	• Exploration with SMEs	• Data Readiness & Applicability Assessment • LLM Fit Assessment • Prompt	Role	Response Assessment	• API Dev Strategy • Utility-Dev via Fn/Parsers • Prompt Engineering Strategies	• LLM Eval (fit for use) • LLM Fine Tuning (if appl.) • LLM Output Validation & Analysis	• LLM Feat & Int. Roadmap • LLMOps / Monitor, Evaluation • Other Bus Process Augment.
WORKSTREAM: DATA ENG.	• Exploration with SMEs • Data set determination • Complexity, Eng. Required	• API-first LLM Solution Recommendation • Data flow diagram	• Key ETL –> VectorDb Metadata • Platform for Seq'ing Pipelines	• LLMOps for Model & Data • POV live • Data pipelines operational	• Cost & Scale Assessment • Engineering Roadmap

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The Accelerators.

The LLM ecosystem changes rapidly. As part of our LLM COE, we consistently evaluate and refine our expertise with a catalog of open-source and Partner-provided platforms, models, frameworks, and tools that we funnel into custom accelerators.
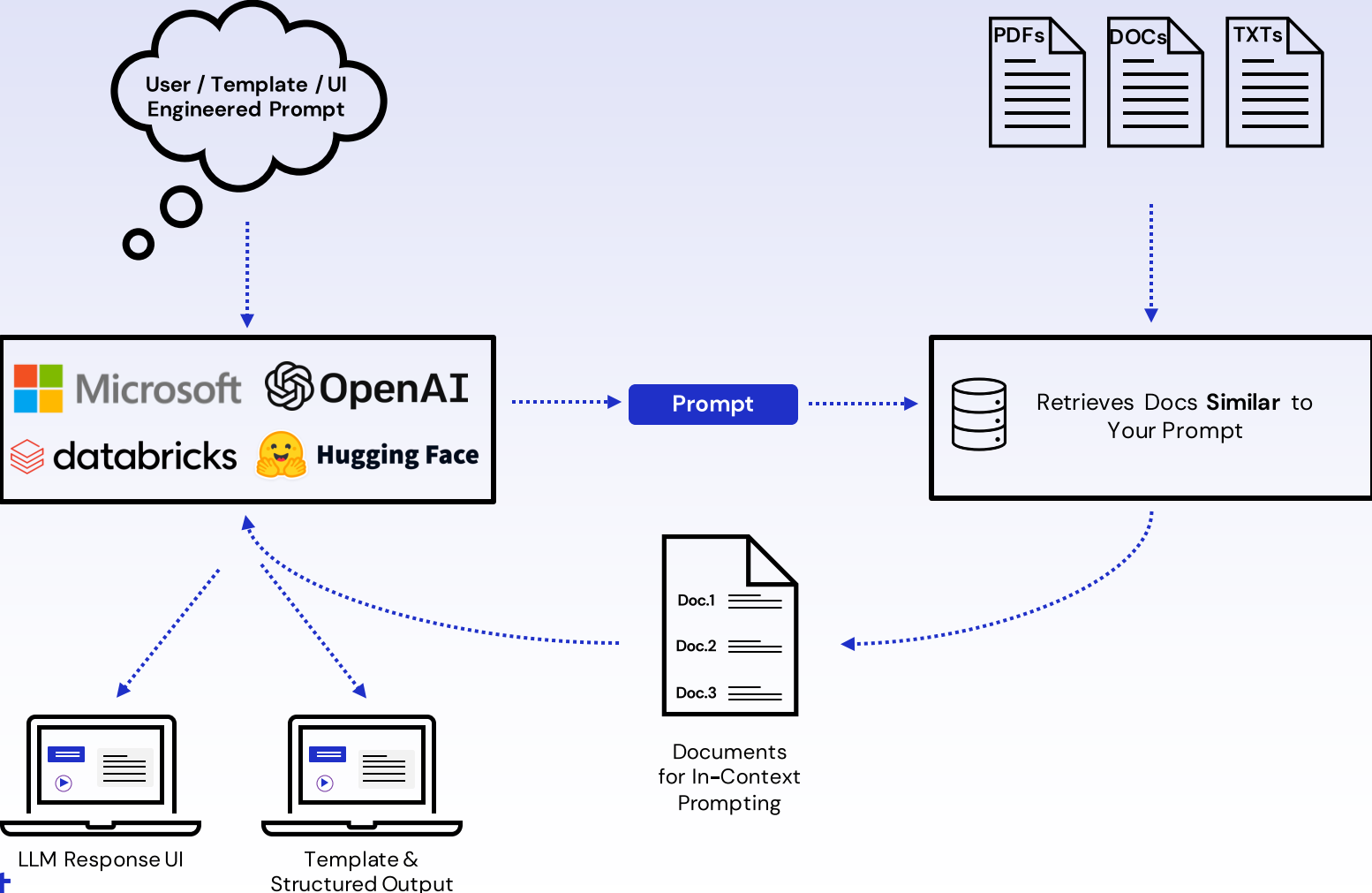
🤗 **Hugging Face**

PSYCHIC

Azure AI Studio

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[PDF-to-OpenAI Chat](#)

🦜🔗 LangChain

Weaviate

databricks

Blueprint
[Getting Started With Dolly 2.0 on Hugging Face and LangChain Templates](#)

📚 **LlamaIndex** 🦙

Chroma

OpenAI

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The Architecture.

The architecture for your LLM Solution Prototype will vary based on your use case and the maturity of your data estate. Below is an example architecture for a LLM QA over Private Content Prototype that utilizes your private content and a UI for generating a context specific prompt to the fine-tuned LLM.
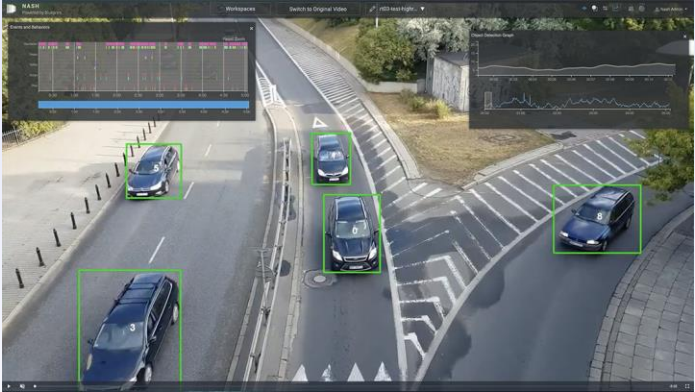
User / Template / UI Engineered Prompt

PDFs

DOCs

TXTs

Microsoft

OpenAI

databricks

Hugging Face

Prompt

Retrieves Docs **Similar** to Your Prompt

LLM Response UI

Template & Structured Output

Doc.1
Doc.2
Doc.3

Documents for In-Context Prompting

1 Your **Content** is converted into vectors, stored in a vector-db.

2 Your **Prompt** is converted to vectors & similarity-matched to your content

3 Your **Matched Content** and your **Prompt** sent to the LLM for analysis.

4 A **Response** is returned to any UI or task-agent of your choosing.
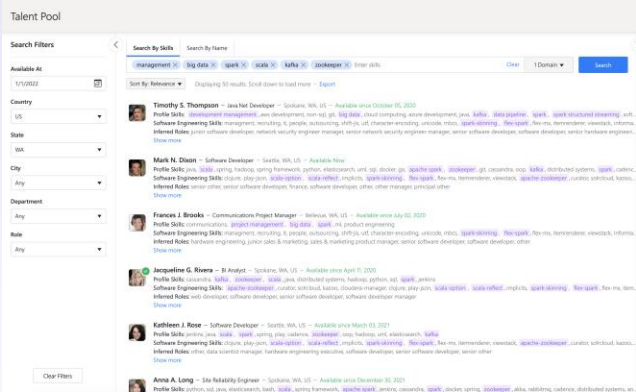
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The Examples.

Below are a few customer examples that showcase the use of our Approach and Accelerators to combine various AI techniques to solve complex problems across a variety of domains.

NASH

AI/ML video analytics solution enabling the use of organizations' video assets to more accurately detect and track objects in motion and extract pattern-based insights.
Read more.

Project Staffing

AI/ML based solution empowering project leads to build the best suited teams for projects by finding employees that are available, with inferred information about potential skills, topics of interest and roles.
Read more.

ABI

AI/ML solution leveraging NLP empowering analysts to navigate large amount of news data in an intuitive fashion to ease the process of organizing and processing that data into insights.
Read more.

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Proof of Value | Deliverables

Speed up your business growth with our Rapid
Prototyping Engagement – a fast-track gateway to the
world of large language model (LLM) solutions.

- Functional use case/business driven Proof of Value
- LLM feature & integration roadmap
- Cost & Scale assessment
- Privacy obligation assessment and roadmap

Cost & Timeline: $600K, 12 weeks

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Get Started Now

[Email us](#) to schedule a call

[Visit our website](#) to learn more

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