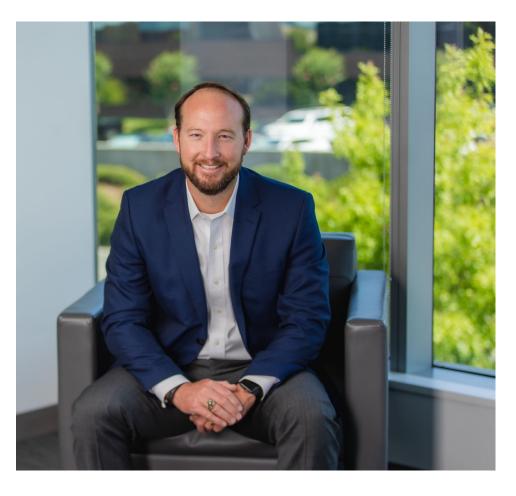


LBMC AI Introduction



Jon Hilton

Shareholder & Data Scientist

Jon is helping companies understand AI and build out their AI future.

Jon Hilton is Shareholder-in-Charge of LBMC's Al Practice and a Data Scientist with deep experience in Al.

Jon's technical skills include Python, Machine Learning, AI, and Deep Learning. He holds a **Master's in Information and Data Science from UC Berkeley**.

Jon is a **West Point** graduate and served in the U.S. Army from 2004 – 2009. As an Officer and **combat Veteran**, he was awarded the Bronze Star and Army Commendation Medal.

Jon lives in Franklin, TN with his wife and four children.



What are the 3 types of AI?

Rules Based

- Deterministic
- Code or formula based
- If/then, for/do loops, etc.

Can be as simple as an if/then statement in Excel

Machine Learning

- Narrow Al
- Train a model for a specific task
- Classification
- Regression
- Forecasting
- Neural Networks

Generative Al

- Train on all data
- Transformers
- LLMs
- Memory



What are the 3 levels of Gen Al Tasks?

Generative Al

- New content based on patterns.
- Content Generation
- Reactive
- Pattern recognition and statistical prediction

LLMs, Transformers, and Neural Networks

Al Agents

- Specific tasks with independent decision making
- Goal Driven
- Autonomous reasoning and execution

LLMs + Memory + Tools + Decision-making systems

Agentic Al

- Orchestrate multiple Al Agents.
- End to end dynamic workflow automation.
- Proactive and autonomous process
- Strategic planning and coordination

Multiple agents + orchestrate + planning



What is an Al Use Case

A clearly defined scenario where AI is applied to address a specific business problem, automate a process, enhance decision-making, or create new value.

It includes:

- The problem
- The scope
- The solution outline
- Expected outcomes

Elements of an Al Use Case

- Business problem or opportunity
- Strategic alignment
- Description of the solution
- Stakeholders and users
- Data requirements
- Process scope and workflow
- Expected outcomes
- Feasibility assessment
- Risks and mitigation
- Timeline and milestones



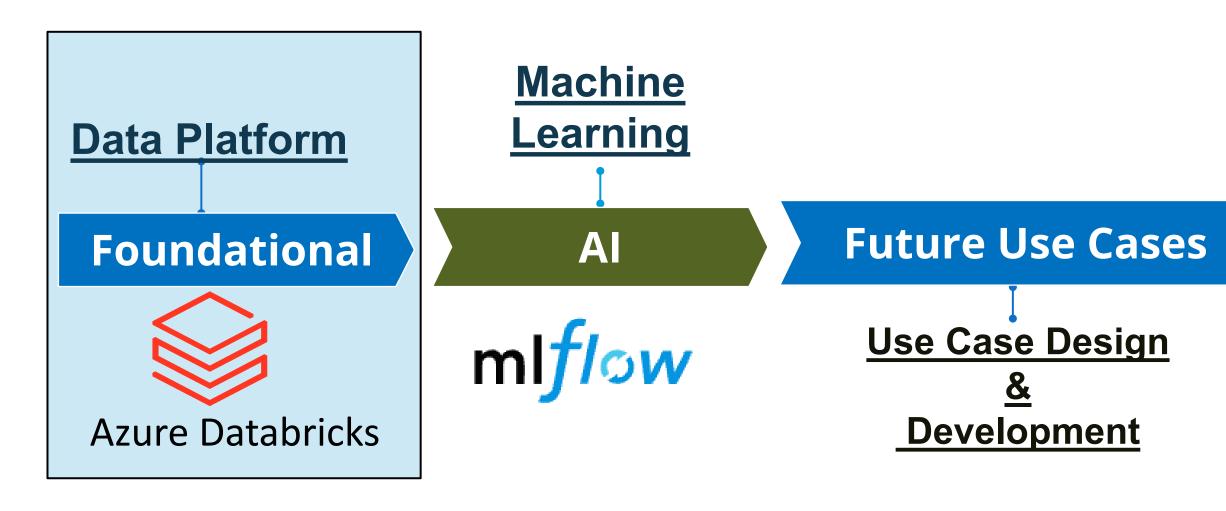
Expected Al Use Case Outcomes and Tasks

- Extraction of data and information
- Accelerated knowledge
- Contextual knowledge
- Summarized or synthesized knowledge
- Content generation
- Review or judgement of tasks or info
- Autonomous task automation
- Task enhancement
- Intelligent integration of tools or data

Examples

- Personalized account insights and recommendations
- Virtual customer support
- Conversational Al
- Credit and financial automation
- Actionable analytics and reporting
- Automated compliance and document verification
- Integrated equipment management

Path to Machine Learning





Data Intelligence Platform





Cloud Infrastructure











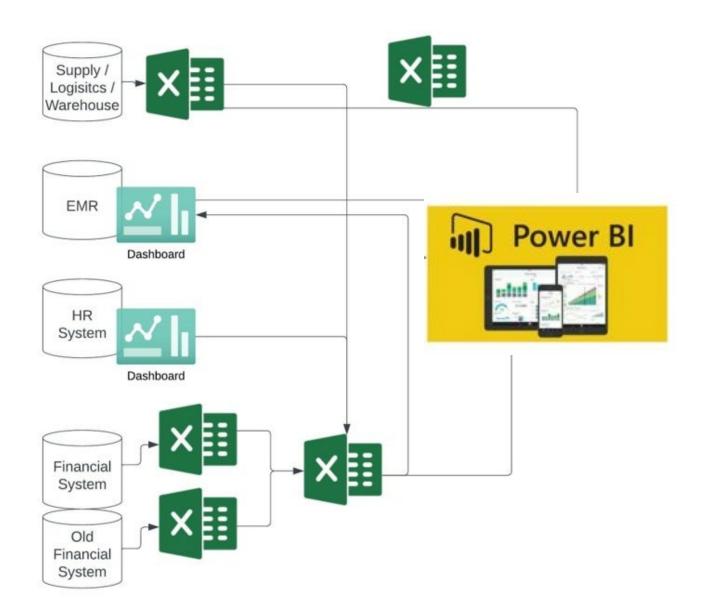








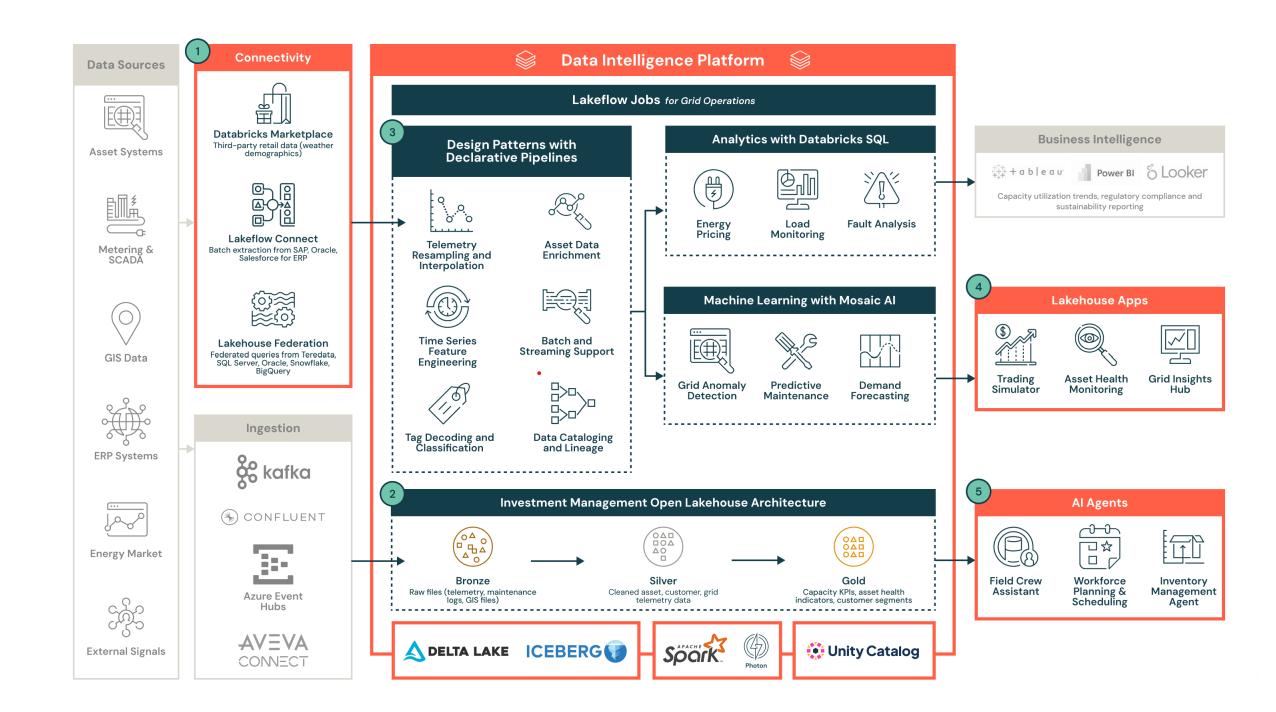
The usual starting point









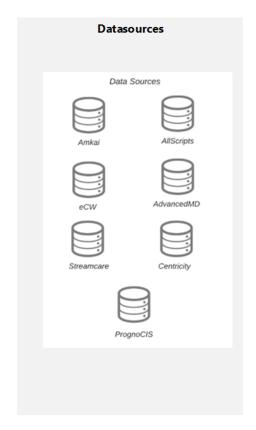


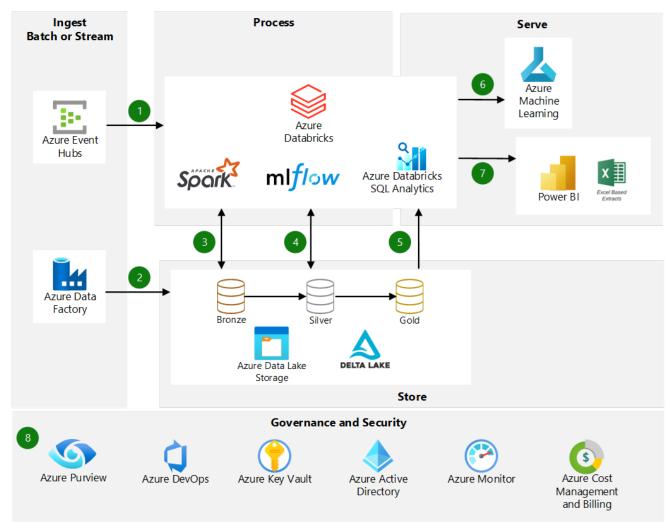


Bring Al to your Data



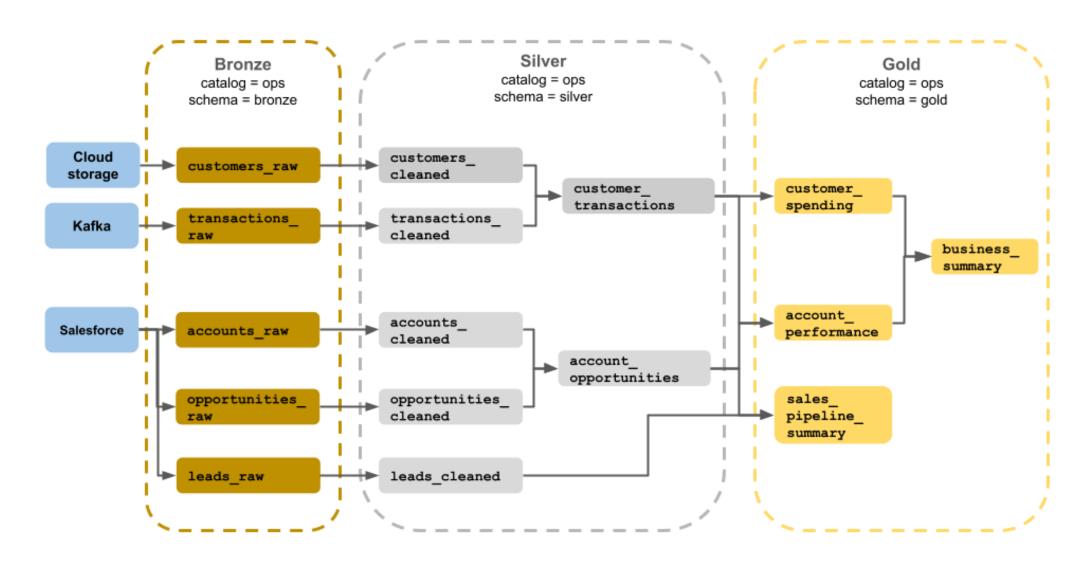




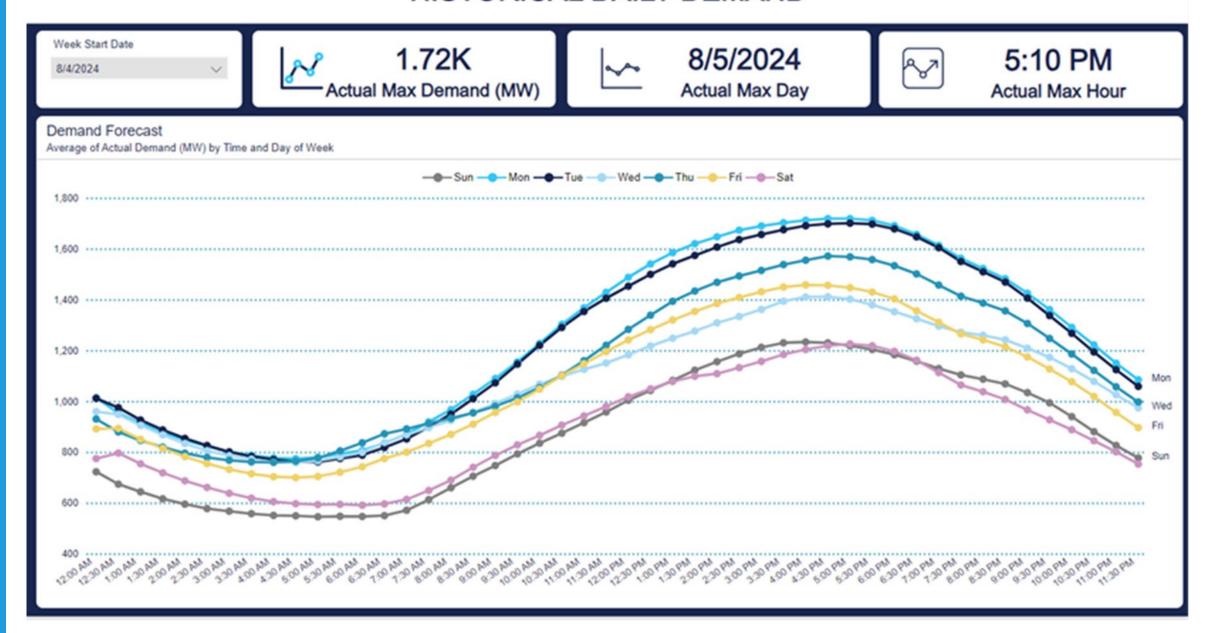




Thinking of Data in Quality Layers

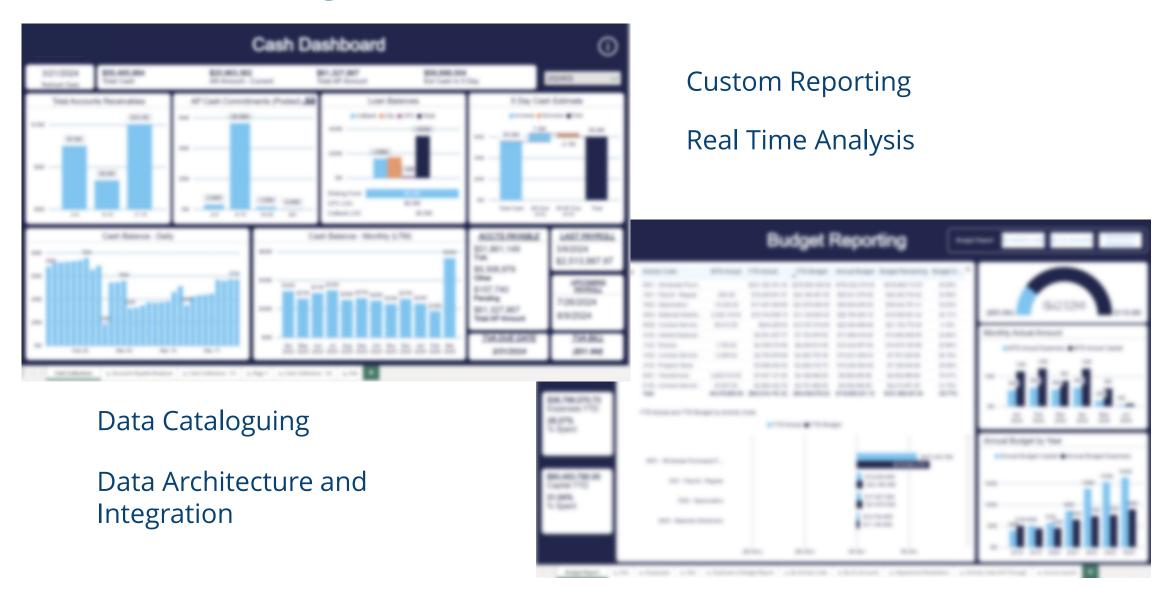


HISTORICAL DAILY DEMAND



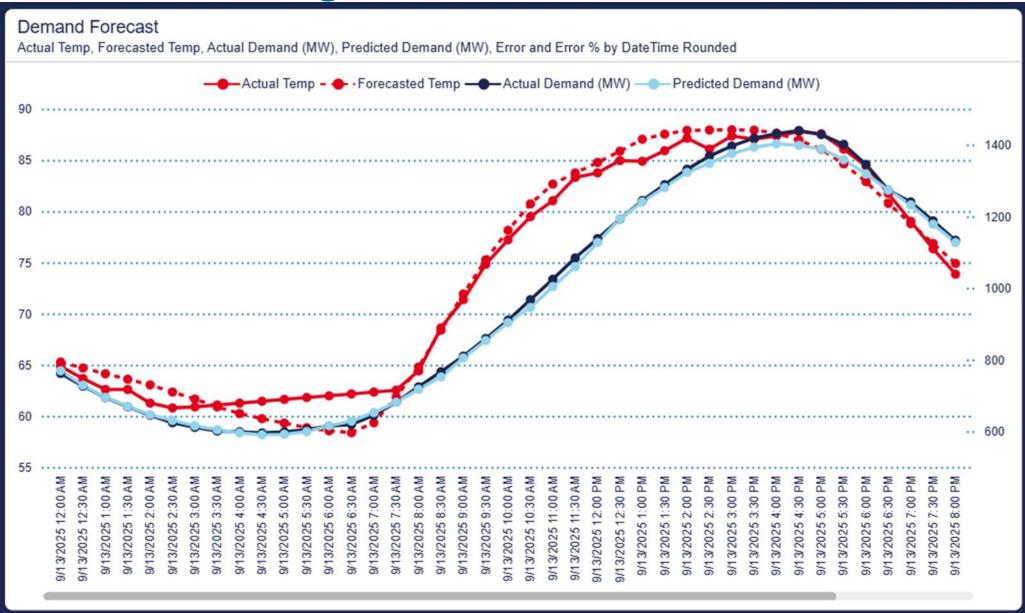


Business Intelligence



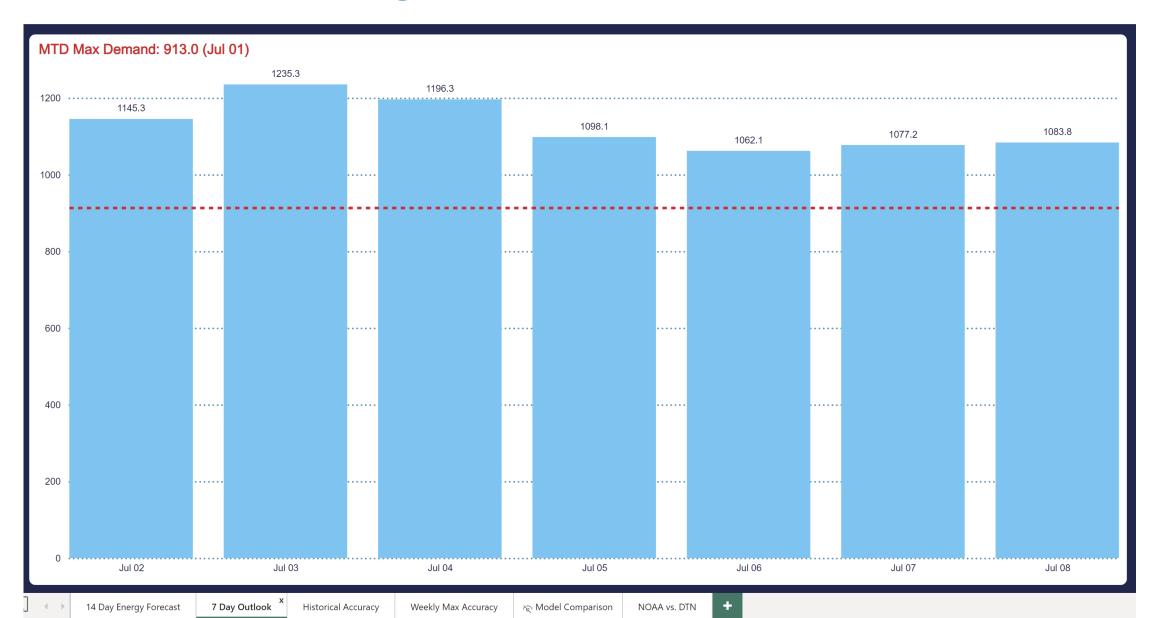


Predictive Modeling

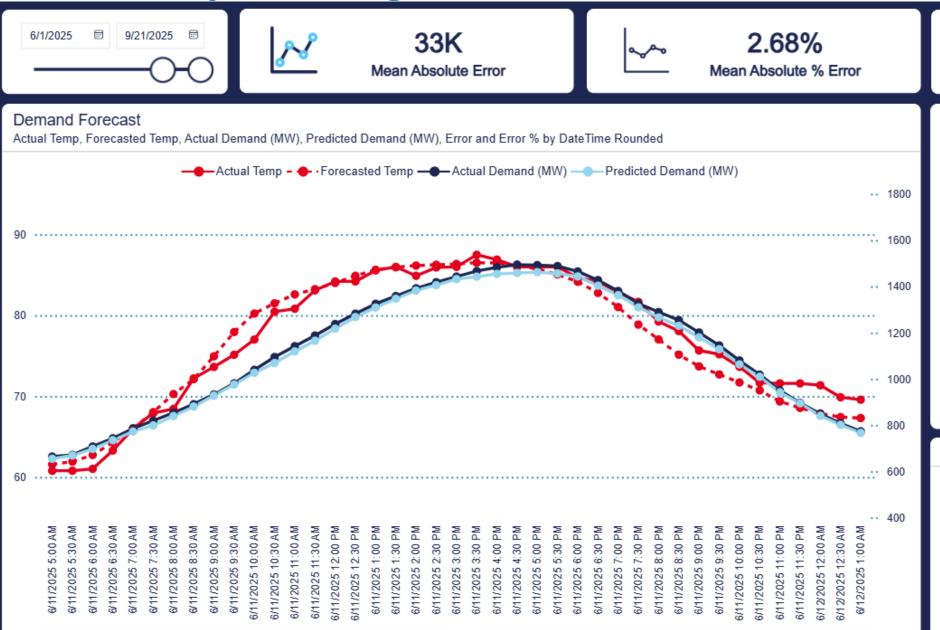




Predictive Modeling

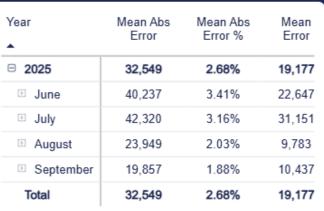


Accuracy Tracking





19K Mean Error





Al Agents



DOC-FLOW



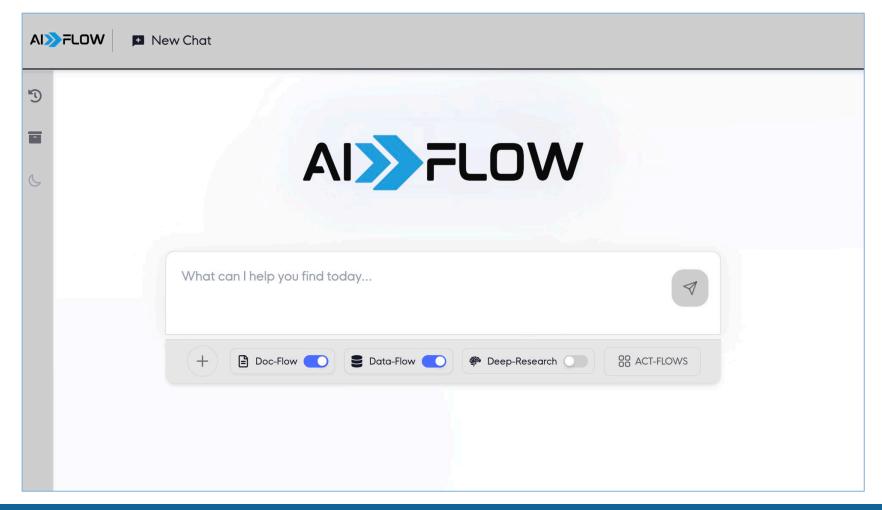
DATA-FLOW



AGENT WORKFLOWS



Al Applications











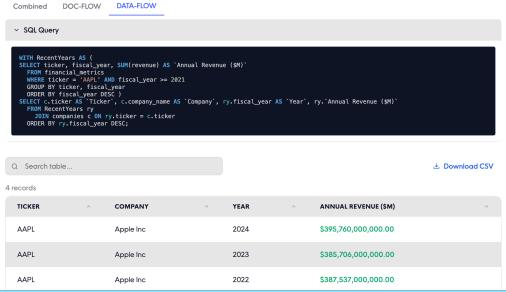
Al Applications - Accelerate



Retrieve Knowledge from Documents

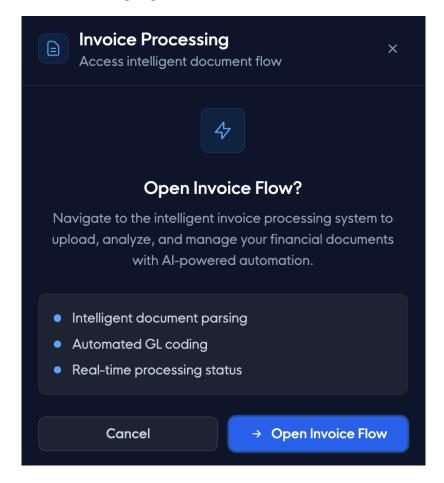
Custom Query from Data



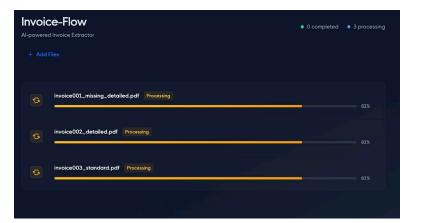


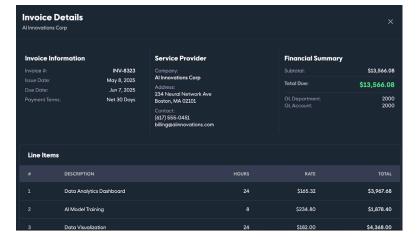


Al Applications - Automate





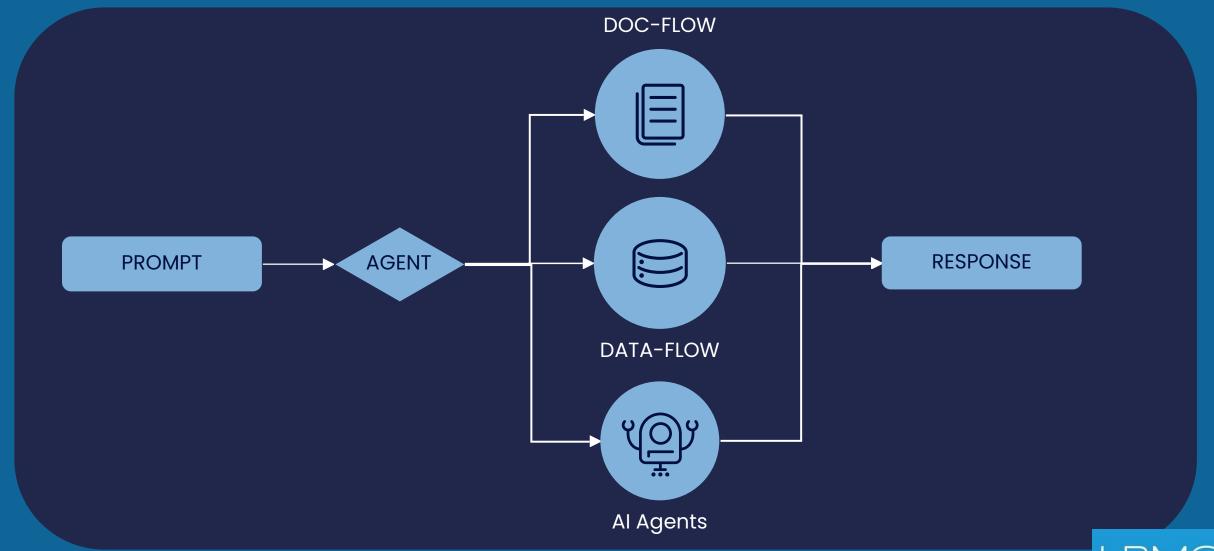




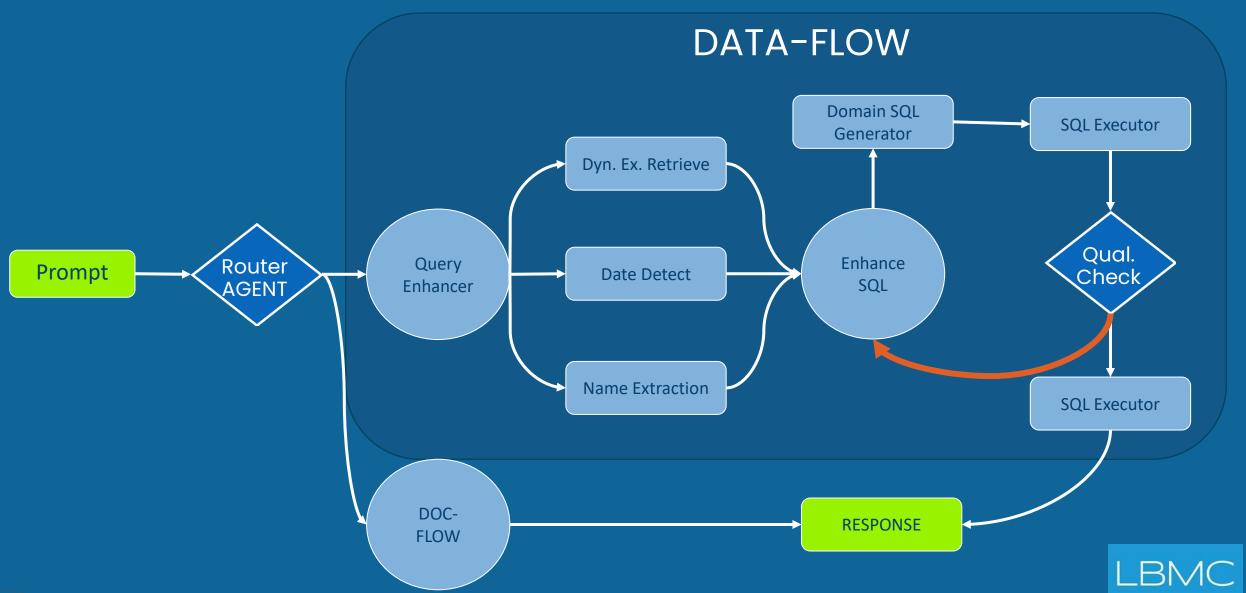
How does an Al agent workflow work?



Agent – Workflow Orchestration



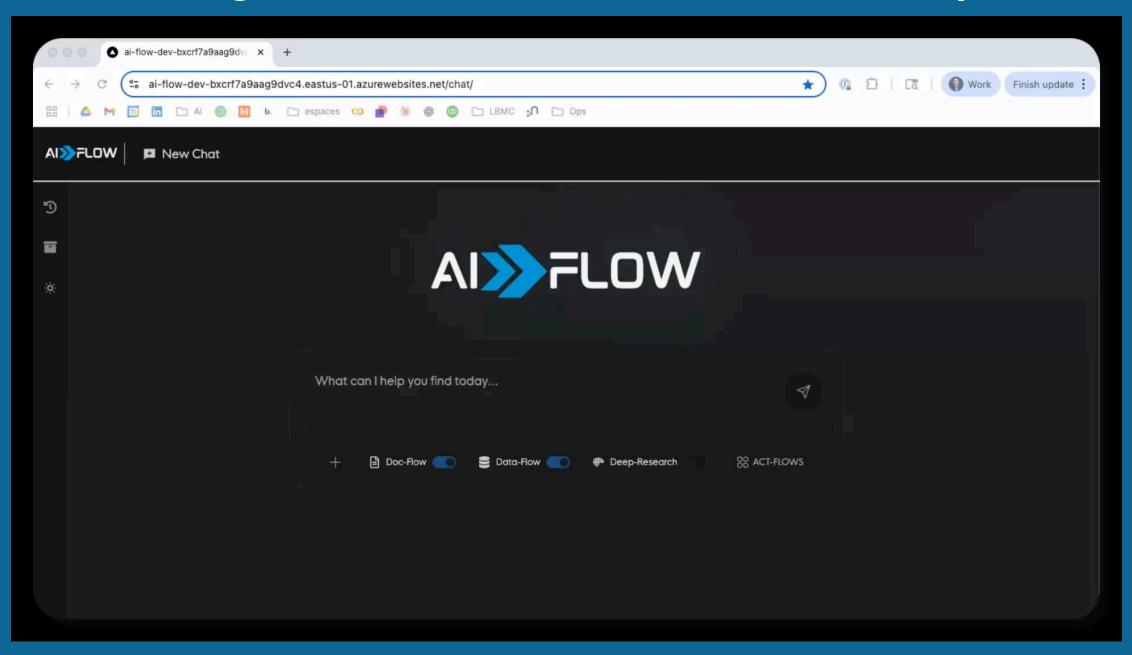
Document & Data - Technical Infrastructure



Al Agent Document & Data Retrieval (RAG)



Al Agent Orchestration - Invoice Example





Strengths Across All Calls

- You show strength in matching customer needs to appropriate speed tiers when they express specific usage requirements like gaming or streaming, building trust through personalized recommendations.
- You proactively identify fiber internet eligibility at new addresses without waiting for customers to ask, which
 positions you as helpful and knowledgeable.
- You excel at immediately highlighting the 'three month free promotion with no contract' when introducing fiber internet, which creates instant value and removes risk barriers for customers.
- You effectively present clear pricing tiers by explaining all three speed options with their specific monthly costs, helping customers understand their choices.
- You consistently emphasize flexibility with phrases like 'you can cancel at any point without penalties' and 'you are not locked into a contract,' which successfully reduces customer hesitation.

46 # of Calls Analyzed

Internet Sales

23.9% Conversion Rate

Growth Areas (Non-Sale Calls)

- Consider exploring the customer's situation more deeply when they mention having existing service or arrangements by asking who their provider is and what they like/dislike about their current service.
- When customers say they need time to decide, you have an opportunity to create more urgency by emphasizing limited installation slots and calculating the total savings value of the three-month free promotion.
- You could enhance your sales approach by asking 2-3 discovery questions about internet usage habits (streaming, gaming, number of devices) before recommending speed tiers, creating more personalized recommendations.
- You could try explaining the specific benefits of fiber internet (reliability during storms, symmetrical speeds, lower latency for gaming) to differentiate from competitors when customers mention other providers.
- You might strengthen your approach with rental property owners by highlighting how internet services can increase property attractiveness or discussing tenant-paid options rather than accepting the initial objection.

Call Date ▼	Areas to Focus On	Event Num
9/5/2025	1. Practice probing questions when customers mention existing service (e.g., 'How satisfied are you with your current United service?' or 'Would you be interested in hearing how our current promotion might save you money over your existing plan?'). 2. Develop competitive comparison skills to highlight advantages over existing service, even when it's with the same provider.	10000125189
9/5/2025	 Practice probing questions to understand current internet situation before offering service (e.g., "Who is your current provider? What speeds are you getting? Are you satisfied with your current service?"). Develop objection handling techniques specifically for customers who indicate they already have internet service, focusing on the unique benefits of fiber and creating value propositions that differentiate from competitors. 	10000125179
9/4/2025	 Practice conducting brief needs assessments with 2-3 targeted questions (e.g., 'How many devices connect to your internet?' 'Do you work from home or stream HD video?') to recommend appropriate speeds. Develop simple explanations for what each speed tier supports in everyday terms customers understand (e.g., '300 Mbps supports X devices streaming, while 1 Gig allows for Y'). 	20000124035
9/4/2025	 Practice needs-based discovery questions to understand customer's internet usage before presenting the offer (e.g., 'How are you currently handling internet at this property?' or 'What kind of internet activities will you need to support?') Develop objection handling responses for the 'not interested' scenario, focusing on understanding the reason behind the objection before accepting it. 	10000124743
9/2/2025	1. Practice needs-based discovery questions for property owners (e.g., 'Will you need internet at this property for showing to new tenants or for smart home features while it's vacant?'). 2. Develop value statements experificably for property management purposes.	10000123840

Call AI LLM-Generated Dataset

Fields about call customer:

A_{C}^{B} customer_interest_level	📸 objections_raised	AB _C main_objection	& benefits_discussed
high	> ["Installation timing concerns due to vacation plans"]	No Objections	> ["Free installation", "Three months free service", "No contract"]
high	> D	No Objections	→ []
none	> ["Not interested today"]	Need Time to Decide	> ["Fiber internet","Free installation","Three months free","No contract"]
low	> ["Already has internet with Xfinity","Wants to wait before making a decision"]	Need Time to Decide	> ["Fiber optics direct to house","No contract","Promotional pricing"]
low	> ["Wants to check other options first"]	Need Time to Decide	> ["fiber internet","promotional period"]
none	> ["No need at this time"]	Not Interested	→ []
low	> ["Not ready to decide about internet at the moment"]	Need Time to Decide	> ["Fiber optic internet", "Direct to home connection", "Not shared with others"]
medium	> ["Needs to check with employer who is handling the move"]	Need Time to Decide	> ["Fiber optic internet", "Direct to home connection", "Not shared with others", "No contract"]
high	> ["Concerned about installation timing","Needs service by move-in date","Considering other opti	Need Time to Decide	> ["Fiber optics directly to home","Not shared with neighbors","Faster speeds","Free installation","No contr
high	> []	No Objections	→ []
high	> []	No Objections	> ["fiber is faster","not shared with others","direct connection to home"]
medium	> ["Needs to check with wife"]	Need Time to Decide	> ["Fiber going directly to home","Not shared line","Local customer service","No contracts"]

Fields about agent performance:

ABC sales_technique_used	A ^B _C initial_mood	△B final_mood	△B _C satisfaction_level	$\mathbb{A}_{\mathbb{C}}^{\mathbb{B}}$ success_factors_detail	$\mathbb{A}^0_{\mathbb{C}}$ objection_handling_detail
Price/Promotion-Led	neutral	neutral	satisfied		> Agent did not attempt to overcome the objection when customer said they needed to check with wife. Agent simply accepted this an
Minimal Sales Effort	neutral	neutral	neutral		No objections were raised during this brief call
Benefits-Focused	neutral	positive	satisfied	> The agent proactively identified the broadband opportunity during a ser	> The agent effectively addressed the customer's installation timing concerns by offering to check for earlier dates and promising a foll
Price/Promotion-Led	neutral	positive	satisfied		> The agent did not effectively address the customer's need to check with their employer who is handling the move. The agent simply a
Price/Promotion-Led	neutral	positive	satisfied		The agent did not attempt to address the customer's hesitation about deciding on internet service at that moment.
Price/Promotion-Led	neutral	neutral	satisfied		> The agent mentioned the promotional period ending June 30th to create urgency but didn't address the customer's question about o
Price/Promotion-Led	neutral	positive	satisfied		> Agent addressed the customer's hesitation by highlighting no contract requirement, promotional pricing, and creating urgency by me
Benefits-Focused	neutral	positive	satisfied	> The agent identified that fiber internet was available at the customer's n	> No significant objections were raised. The customer was already familiar with the service and expressed satisfaction with their current
Price/Promotion-Led	neutral	positive	satisfied	> The customer had already arranged for internet service with United Co	
Benefits-Focused	neutral	positive	satisfied	> The agent proactively offered broadband service before the customer h	> When the customer expressed concern about installation timing conflicting with vacation plans, the agent immediately checked for ea
Minimal Sales Effort	neutral	positive	satisfied		> The agent did not attempt to address the customer's objection of not needing internet at this time. No follow-up questions were aske
Price/Promotion-Led	neutral	positive	satisfied		The agent did not attempt to address the customer's 'not today' response or explore reasons for lack of interest.

DATA & AI STRATEGY



Data and Al Strategy



Leadership

Data and Al Leadership services to augment your data journey.



Assessment & Readiness

Data and Al assessment to evaluate your data architecture, quality, governance, and Al readiness.



Strategy and Roadmap

Workshops for jumpstart your Data and Al transformation journey along with a roadmap for Al use case success.



Data and Al Strategy

Al Vision and Objectives

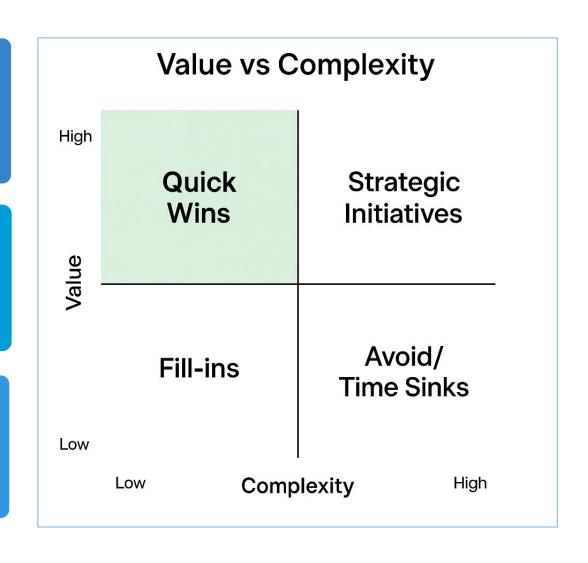
Vision Statement | Measurable Objectives | Alignment

Identify and Prioritize Al Use Cases

Identify | Prioritize | Buy-in | Roadmap

Establish an Agent Workflow

User Journey | Workflow Orchestration | Tech Architecture







Jon Hilton Shareholder & Data Scientist Jon.Hilton@lbmc.com





Any Questions?

Stop by and see us

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