



AI & Accountants

Building Real World AI Apps

Chris Easton

Applied Logic Software

SEPTEMBER 17, 2026 UPDATE



Agenda

- 01** Timeline
- 02** Vertical AI
- 03** Real World Example
- 04** Tools and Infrastructure
- 05** Agentic Structure: Building Deep Domain expertise
- 06** Summary

Timeline

2023 Generative AI

ChatGPT, Gemini, Claude LLM v1
Content generation, text

2024 Q2 Agent AI

Single Agent with tools,
orchestration frameworks – chain of
thought

2025 Q1-3 Vertical AI

Agentic AI tooling and
infrastructure, deployment, MCP
integrations: Bigdata, ML, Apps,
commercial grade LLM

- Gemini 2.5
- Claude Sonnet 3.7,4, 4.5 Opus 4

2024 RAG/ReAct

Simple Chatbots, with Retrieval
Augmented Generation (RAG),
external tools, reasoning-Acting
(ReAct), LLM v1.5

(*Last AI and Accountants update)

2024 Q3 Agentic AI implementation

Multi-Agent emergence, tools,
orchestration, basic tools, LLM v2

2026 Q1-3 Acceleration

Gemini

- 3.0/3.1 (Feb)
- 3.5 Flash (May)
- 3.6 Flash (July)
- 3.7 Flash (Aug)
- 3.8 Series (Sept)

Claude

- Sonnet/Opus 4.6 (Feb)
- Fable/Mythos 5 (June)
- Sonnet/Opus 5 (June)
- Fable/Mythos 5.1 (Sept)

Vertical AI Application

Unlike broad AI tools, vertical AI applications are built with:

Industry-Specific Focus:

- deep domain expertise to serve a single industry or
- a narrow set of related use cases

Problem-Solving:

- designed to address specific challenges within an industry, such as optimizing scheduling or automating financial compliance

AI Agents:

- specialized AI agents that perform specific functions within an industry,
- AI tax accountant or an AI auditor.

Data Integration:

- Processes and understands industry-specific data, including unstructured formats like emails, documents, and customer interactions,

Generate actionable insights

- *Move from information to intelligence*

2025 Example Commercial Airline Industry

1. Market Analysis & Demand Forecasting

- Analyze historical data, seasonality, and demand trends
- Consider competitive landscape and macroeconomic inputs

2. Network Planning

- Select target routes, frequencies, and hubs
- Define schedule strategy (hub & spoke, point-to-point, waves)

3. Slot Coordination & Airport Constraints

- Secure airport slots (IATA Level 2/3)
- Consider curfews, congestion, and turnaround constraints

4. Schedule Development

- Build preliminary flight schedules
- Optimize for time-of-day demand, waves, and block times

5. Fleet Assignment & Crew Planning

- Match aircraft types to route demand and range
- Align with crew rules, rotations, and base constraints

6. Operational Feasibility & Optimization

- Validate aircraft utilization, maintenance windows
- Resolve gate, crew, and turnaround bottlenecks
- Simulate OTP, connectivity, and disruption impact

7. Schedule Publication & Distribution

- Publish schedule to GDSs and airline website



+100,000

Scheduled passenger flights
per day



+900

Scheduled passenger
carriers worldwide



+100,000

MCTs and airline specific
exceptions updated daily
for forward-looking flight
schedules



+200,000

Flight schedules updates a
day for forward-looking
flight schedules



+300,000

Commercial airport
pairings worldwide



Example: GRC

Governance and Policy Management:

- Sets rules, roles, responsibilities, and acts as a central repository to document and update internal policies and controls

Risk Management:

- Identifies, assesses, scores, and mitigates strategic, operational, and security risks across the enterprise e.g. TPRM

Regulatory Compliance:

- Aligns internal operations with industry standards and regulations (such as SOC 2, HIPAA, or GDPR) to prevent legal penalties.

Audit and Evidence Management:

- Streamlines internal and external assessments by continuously collecting and verifying compliance evidence

Workflow Automation:

- Automates recurring tasks, testing approvals, and notifications to minimize human error

Continuous Proactive Monitoring, Reporting and Analytics:

- Provides real-time dashboards and data visibility for leadership to track the organization's risk posture

Tool & Infrastructure

LLM*

Data*

Orchestration &
Context*

Instructions*

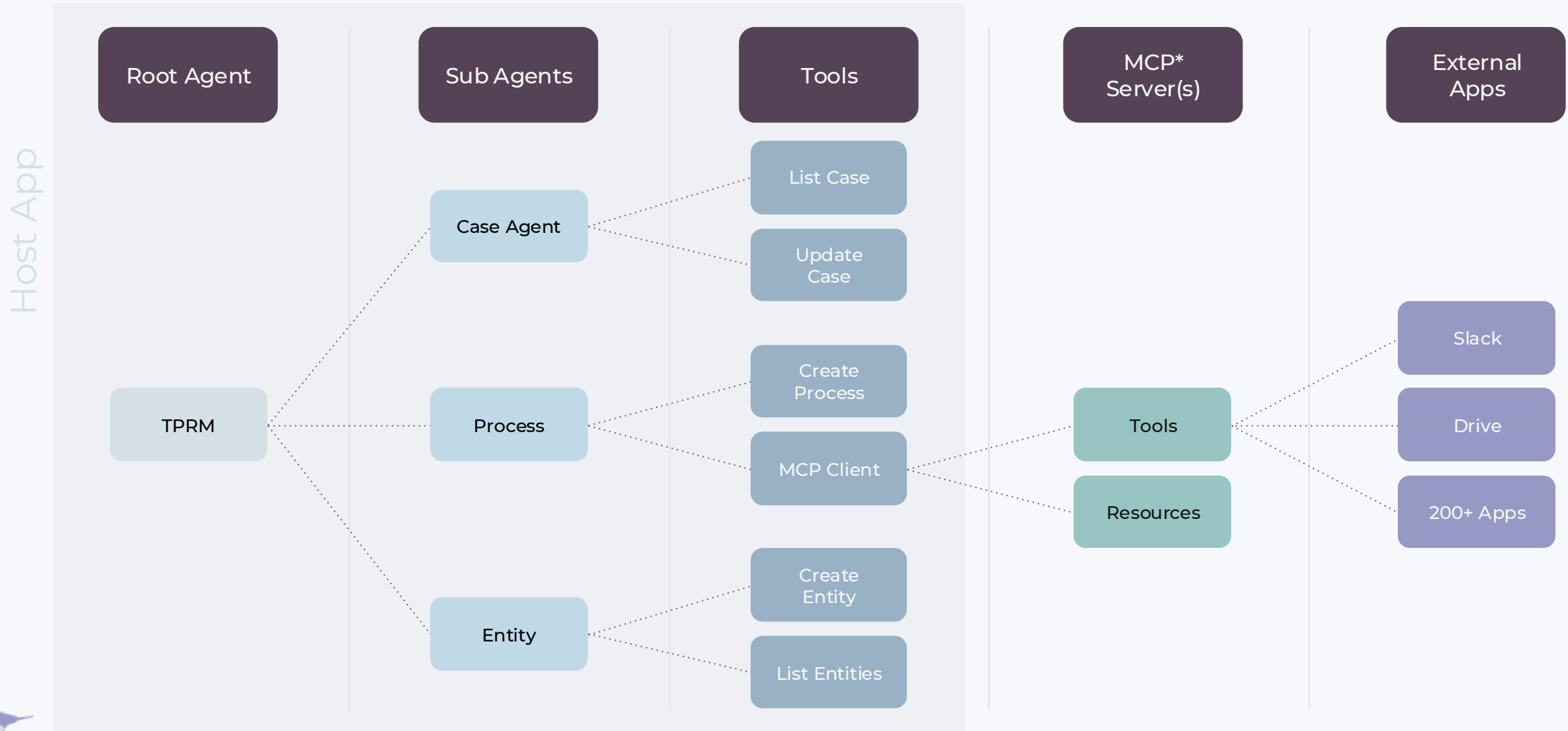
Agents and
Tools*

UI, Backend,
Security, User
Mgmt

Deployment

Dev tools

Agentic Structure



MCP Integration Connectors (200+)

- Active Directory
- Apache Cassandra
- AuthorizeNet
- Azure Synapse
- Commercetools
- Docusign
- Elasticsearch
- FinancialForce
- Greenplum
- HubSpot
- Jira Cloud
- LDAP
- MariaDB
- MongoDB
- Netsuite
- OneDrive
- PayPal
- Redis
- Salesforce Marketing Cloud
- SAP Gateway
- SAP SuccessFactors
- BigQuery
- Cloud SQL - MySQL
- Cloud Tasks
- Gmail
- Google Cloud Data Catalog
- Google Docs
- Google Sheets
- Pub/Sub
- YouTube Analytics
- Acumatica
- Apache CouchDB
- Azure AD (Entra ID)
- BigCommerce
- Confluence
- Dropbox
- Email
- FreshBooks
- HDFS
- IBM DB2
- Jira Server (Data Center)
- LinkedIn
- Marketo
- Microsoft Exchange
- Neo4j
- Oracle DB
- PostgreSQL
- Redshift
- SAP ASE (Sybase)
- SAP HANA
- SendGrid
- Bigtable
- Cloud SQL - PostgreSQL
- Cloud Translation
- Google Analytics
- Google Cloud Natural Language
- Google Drive
- Google Slides
- Search Ads 360
- YouTube Reporting
- Airtable
- Apache Kafka
- Azure Data Lake Storage
- Box
- Couchbase
- Dynamics 365
- EnterpriseDB
- FTP
- HL7
- IBM MQ
- Jira Service Management
- Magento
- MetaAds
- Microsoft Teams
- Okta
- Oracle Eloqua
- QuickBooks Online
- Sage Intacct
- SAP Business One
- SAP HANA XS Advanced
- ServiceNow
- Cloud Search
- Cloud SQL - SQL Server
- Enterprise Licence Manager
- Google Calendar
- Google Contacts
- Google Forms
- Google Workspace Admin SDK
- Vertex AI
- Riskconnect
- Amazon S3
- Asana
- Azure DevOps
- CockroachDB
- Dataverse
- Dynamics 365 Business Central
- Excel Online
- GitHub
- HTTP
- Instagram
- Kintone
- MailChimp
- Monday
- MySQL
- Office 365
- Oracle Sales Cloud
- Rabbit MQ
- Salesforce
- SAP ERP
- SAP Hybris C4C
- AlloyDB
- Cloud Spanner
- Cloud Storage
- Firestore
- Google Classroom
- Google Dialogflow
- Google Safe Browsing
- Identity and Access Management
- YouTube



Ketelo - Next Generation Business Platform

- Idea from our September 2025 AI & Accountants
- Kickoff in - Late Jan 2026
- Minimum Viable Product (MVP) - April 2026
- Customer Deployment - May 2026
- Launch IIA & ISACA GRC Conference – Aug 2026
- GRC ++, Continuous Monitoring/Audit, Proactive Risk, Signals, Ai First Business decision support
- <https://ketelo.com/>

Summary

- AI & Accountants timeframe estimates for AI impact on the profession
 - 2023: impact 2035
 - 2024: impact 2030
 - 2025: impact 2027
 - 2026: NOW!!!
- Tools, technology, integration, performance are now mainstream – accelerating capability
- ERP, Reporting, Audit, Tax applications and practices are being implemented NOW
- Profession must recognize/embrace and create the opportunity today
- Start today

Questions?

