TONY ADAMS

MBA IN INFORMATION SYSTEMS 1998

AUTHOR OF THE BOOKS "AGILE LEADERSHIP" & "CLOUD PARADIGM"
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EDUCATION: MBA in Information Technology, University of N Texas. 1998

Executive Managing Director, AI Strategy & Delivery Lead, Sales Solution Architect
@ The Cloud Strategy & Dynamics: **March 2019-Current:**
http://TheCloudDynamics.com

Clients: Synchrony Financials, Allstate Insurance, US Foods, and many other Fortune 100.

Strategy and Delivery Executive for AI Blueprint and Frameworks:

Led Strategy conversations with C and E suite executives: (CIO, CTO, EVP, SVP, MD level) and Led Delivery, Relationship and Risk management components:

AI Transformation Strategy, Roadmap with Data Strategy & Delivery Framework **Phase 1: AI Strategy and Vision:** AI Transformation Strategy Document: Vision, mission, and objectives for AI adoption. Alignment of AI goals with the organization's broader business strategy. Key AI use cases prioritized based on feasibility and ROI. Stakeholder Alignment Report: Identification of key stakeholders and their roles. Summary of stakeholder expectations, concerns, and alignment status. AI Maturity Assessment Report: Evaluation of the organization's readiness for AI adoption. Benchmarks compared to industry standards. Recommendations for closing gaps in AI maturity. AI ROI and Business Case Analysis: Cost-benefit analysis of AI initiatives. Expected ROI for each AI use case.	**Phase 5: AI Operationalization** AI Monitoring and Feedback System: Real-time dashboards for tracking model performance and business impact. Feedback loops for ongoing improvement of models. Change Management Plan: Strategies for integrating AI into daily operations. Communication plans for employees and stakeholders. Scaling AI Playbook: Guidelines for replicating successful use cases across departments or regions. Standard operating procedures (SOPs) for AI implementation. AI Risk Assessment and Mitigation Plan: Identification of risks related to AI implementation. Mitigation strategies (e.g., fallback mechanisms, human oversight). **Phase 6: Workforce and Organizational Readiness**

KPIs and OKRs tied to business value.

Phase 2: AI Governance
AI Governance Framework:
Ethical AI policies (e.g., bias mitigation, transparency).
Audit and risk management processes for AI systems.

Phase 3: Data and Technology Readiness
Data Strategy Document.
Data Governance Framework.
Data Inventory and Gap Analysis Reports.
Data Architecture Blueprint.
Data Cleaning, Enrichment, and Monitoring Plans.
Data Pipeline Workflow.
Technology Assessment and Recommendations:
AI tools, platforms, and frameworks (e.g., TensorFlow, AWS/GCP/Azure).
Evaluation of build vs. buy decisions for AI solutions.

Phase 4: AI Model Development and Deployment
AI Use Case Design Documents:
Detailed functional and technical requirements for each use case.
Mapping of AI capabilities to business processes.
Proof of Concept (PoC) Reports:
Prototypes and pilot results for prioritized AI use cases.
Technical feasibility and lessons learned from the pilot.
Model Development and Training Documentation:
Machine learning (ML) model design, training datasets, and performance metrics.
Hyperparameter tuning and optimization reports.
Model Validation and Testing Framework:
Validation results for AI models (e.g., accuracy, precision, recall).
Bias and fairness assessments.
Model Deployment and Integration Plan:
Workflow for integrating AI models into existing systems.
APIs, microservices, or containerized deployments (e.g., Docker/Kubernetes).
Automated MLOps Pipelines:
Infrastructure for continuous integration, delivery, and monitoring of AI models.
Tools and workflows for retraining and updating models.

Deliverables for Data Quality

Data Profiling and Quality Assessment Report:
Summary of data quality issues (accuracy, completeness, consistency, timeliness, relevance).
Results from profiling tools and techniques.
Data Cleaning and Enrichment Plan:
Strategies for handling duplicates, missing values, and errors.
Plan for enriching data with additional attributes (e.g., demographics, geolocation).
Continuous Monitoring and Quality Dashboard:
Automated quality check workflows (e.g., ETL scripts).
Dashboard for tracking data health (latency, quality scores, etc.).

AI Training and Upskilling Plan:
Comprehensive curriculum for employees (e.g., data science, AI ethics, and governance).
Hands-on workshops or certifications for technical teams.
Roles and Responsibilities Framework:
Definition of new roles created by AI adoption (e.g., AI Product Manager, MLOps Engineer).
Reskilling paths for affected employees.
AI Culture Building Toolkit:
Resources to promote a data-driven, AI-enabled culture.
Success stories and case studies to inspire teams.
Cross-Functional Team Collaboration Framework:
Processes for collaboration between business units, IT, and data teams.
Regular feedback and alignment sessions.

Phase 7: Business Outcomes and Continuous Improvement

AI Business Impact Report:
Measurement of business outcomes tied to AI initiatives.
Analysis of cost savings, revenue growth, and efficiency gains.
AI Adoption Metrics Dashboard:
Real-time tracking of AI adoption across the organization.
Metrics like time-to-deployment, user engagement, and AI usage rates.
Continuous Improvement Plan:
Strategies for iterating on AI models and processes.
Framework for identifying and evaluating new AI opportunities.
End-of-Phase Review Reports:
Retrospective analysis of each phase of the AI transformation program.
Lessons learned and areas for improvement.

Comprehensive Deliverables

AI Transformation Roadmap:
Detailed timeline and milestones for all phases.
Resource allocation and dependencies for each deliverable.
Budget and Resource Allocation Plan:
Cost estimates for technology, talent, and training.
Detailed breakdown of funding sources and allocations.
Regulatory Compliance Audit Report:
Documentation of adherence to data and AI-specific regulations.
Evidence of ethical practices in AI development and use.

Data Strategy Delivery Framework
Here's a comprehensive list of deliverables based on the steps to develop a data strategy, ensure data availability, and improve data quality for AI implementation:

Deliverables for Data Strategy
Data Strategy Document:
Vision, goals, and alignment with AI and business objectives.
Roadmap for short-term, mid-term, and long-term data initiatives.
Data governance policies and ownership structures.
Scalability and future-readiness plan.

Deliverables for Operational Readiness

Data Architecture Blueprint:
Diagram of the data architecture, including:
Data lakes, data warehouses, and ETL pipelines.
Integration points with existing systems.
Real-time data processing and analytics capabilities.
Data Pipeline Workflow:
End-to-end data workflows for collection, transformation, and loading.
Automation tools and processes (e.g., Apache Airflow, Prefect).
KPI and Metric Framework:
Metrics to measure data availability, quality, and utilization.
AI readiness indicators (e.g., time-to-insight, model performance).
AI Use Case Data Readiness Assessment:
Specific datasets mapped to prioritized AI use cases.
Readiness level for each use case (e.g., data sufficiency, quality).

Deliverables for Organizational Readiness

Training and Upskilling Plan:
Curriculum for data literacy and advanced tools (e.g., SQL, Python, data visualization).
Schedule and resources for AI-related upskilling.
Cross-Functional Team Structure:
Roles and responsibilities of key team members (data engineers, scientists, business analysts).
Collaboration models between IT and business units.
Cultural Change Management Plan:
Strategies to foster a data-driven culture.
Communication plan to showcase success stories and gain stakeholder buy-in.

Comprehensive Deliverables

AI-Ready Data Roadmap:
Phased timeline for implementing data improvements.
Milestones and deliverables for each phase (e.g., data inventory, governance framework).
Budget and Resource Plan:
Estimated costs for tools, technologies, and human resources.
Resource allocation for each phase of data preparation.
Regulatory Compliance Checklist:
Detailed compliance requirements for data use in AI.
Audit trail for data governance practices.

Data Value Chain Map:
End-to-end lifecycle of data (creation, collection, storage, processing, and archiving).
Ownership and accountability for each stage.
Data Governance Framework:
Policies for data security, privacy, compliance (e.g., GDPR, HIPAA).
Roles and responsibilities (e.g., data stewards, data officers).
Ethical guidelines for data use and AI development.
Technology and Infrastructure Assessment Report:
Current state of data infrastructure and technology stack.
Recommendations for upgrades or additions (e.g., data lakes, ETL tools, cloud platforms).
Deliverables for Data Availability
Data Inventory Report:
Comprehensive list of internal and external data sources.
Classification of structured, semi-structured, and unstructured data.
Metadata and tagging for easier discoverability.
Data Gap Analysis Report:
Comparison of current data availability with AI use case requirements.
Identification of missing or insufficient datasets.
Action plan to address data gaps.
External Data Acquisition Plan:
Sources of third-party or external data.
Cost-benefit analysis of acquiring external datasets.
Strategy for integrating external data into existing systems.

Solution Director
Accenture: Data Practice Director:
January 2015–March 2019

Accenture Clients: USAA Banking, Aetna, Boeing, Blue Cross Blue Shield, and many more.

At Accenture, I provided expert consultation on data management and information systems, driving significant improvements in data discoverability and accessibility across large-scale projects. My leadership in defining and implementing data standards directly supported the success of numerous high-profile initiatives.

- Consulted on and led the implementation of digital data curation and archiving processes across multiple client projects.
- Formulated and executed data retrieval strategies that optimized the organization's ability to access and utilize critical information.
- Advised on data lifecycle management best practices, resulting in enhanced data governance and compliance.
- Developed and enforced policies for the secure handling of sensitive information, including PII.
- Directed efforts to catalog and manage data in a manner that improved retrieval speed and accuracy.
- Championed the adoption of innovative data management tools, driving efficiency gains across the organization.
- Mentored junior consultants, fostering a culture of continuous learning and professional development.

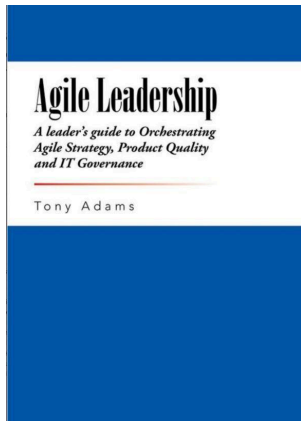|	**Director, Delivery** Tata Consulting: Data & Delivery January 2011–December 2014

During my tenure at Tata Consulting, I led the organization's data governance efforts, ensuring that all data management practices were aligned with industry standards and regulatory requirements. My work focused on enhancing the discoverability, accessibility, and security of critical information.

- Led the development and implementation of data governance frameworks that improved compliance and data quality.
- Directed efforts to catalog and manage data in ways that enhanced discoverability and retrievability.
- Formulated and executed strategies for the secure handling of sensitive data, including PII.
- Consulted on data curation and archiving processes, ensuring they met organizational needs and regulatory standards.
- Defined and implemented data standards and processes that supported efficient data management and utilization.
- Managed information review and release activities, ensuring compliance with all relevant laws and regulations.
- Collaborated with IT and legal teams to ensure data management practices were in full compliance with industry standards.
- Drove the adoption of best practices for data lifecycle management, resulting in improved data governance.
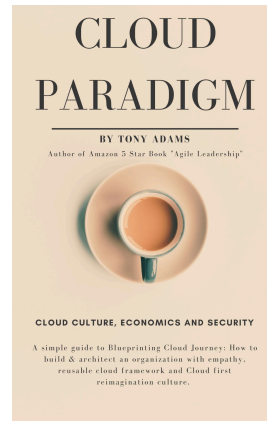
	Manager Technology PriceWaterHouseCoopers June 2000 – December 2011 Dallas, TX.

- Led large-scale data migration projects, ensuring seamless transitions and minimal disruption.
- Provided classification guidance to information owners, ensuring compliance with industry standards.
- Spearheaded initiatives to improve data retrieval times, resulting in increased productivity.
- Mentored and developed junior team members, fostering a culture of excellence in data management.
- Presented data management strategies to senior leadership, securing approval and resources for key initiatives.
- Achieved significant improvements in data discoverability through the implementation of advanced search technologies.
- Successfully managed the release of digital products in compliance with FOIA, Privacy Act, and other regulations.

Author of 5 STAR Agile Book
SAFe Certified Agile Program Instructor
15+ years of Agile, Kanban, Scrum expertise.

Book Link: Get your Copy and Support Child Hunger

My second book "Cloud Paradigm - A simple guide to Blueprinting Cloud Journey: How to build & architect an organization with empathy, reusable cloud framework and Cloud first reimagination culture" is now in Amazon Books.

Please get your Get your Copy and Support 3.5 Million Food insecure children and support my Charity to end Hunger in America.