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Intelligent Document Processing

Advanced Technology Advisory

A Complete, Advanced Technology Advisory for Executive Management

Make Better Decisions.(™)

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Introduction

Make Better Decisions.

Advanced Technology Advisory

A Complete Advanced Technology Advisory for Executive Management

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Complete Set of Advanced Technology Capabilities
Data, Machine Learning, Predictive Analytics, AI, RPA, IoT, Robotics, and Quantum

Global Availability
Our globally deployed team is available remotely and on prem

100% referral based

Complete Set of Advanced Data Capabilities
Data Strategy, Governance, Architecture, Integration, and Management, Database Design, Development, and Deployment

Subject Matter Expert Led
Every advisor has been in senior positions in industry + advisory, and is regarded as an expert in their field, by experts in that field

Strategy Design & Delivery Workshops
Organizational, IT, AI, Data Strategy CoDesign and CoDelivery

Strategic Technology Partnerships
Amazon, Microsoft, Google, Oracle, Databricks, Snowflake D-Wave, Quantinuum, Pasqal

Research & Development
“Lab on Demand” with short and long-term commitments

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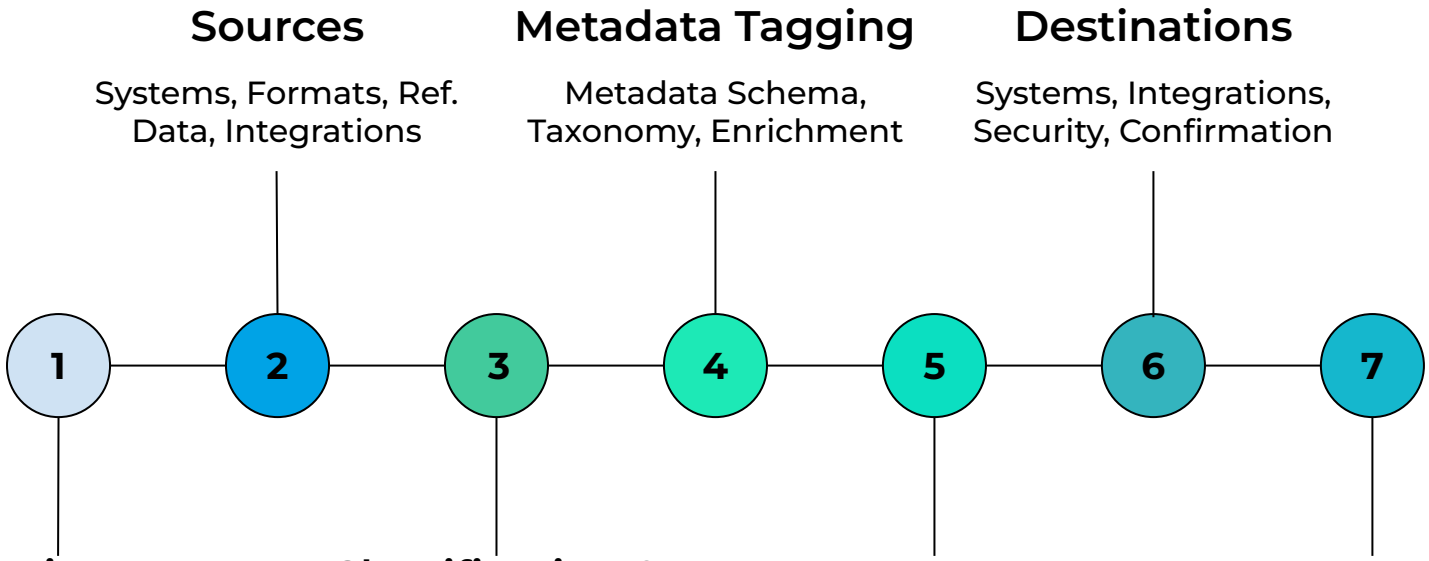
Intelligent Document Processing

Make Better Decisions.

Intelligent Document Processing (IDP)

ENGAGEMENT FRAMEWORK & SEQUENCING



Business Requirement
Narrative, Scope, Constraints

Sources
Systems, Formats, Ref. Data, Integrations

Classification & Extraction
Static Rules, Content Rules, Data Extraction, Matter Association

Metadata Tagging
Metadata Schema, Taxonomy, Enrichment

Routing Rules
Destination Routing(s), Rules Configuration & Versioning

Destinations
Systems, Integrations, Security, Confirmation

Logging
Logging, Exceptions, Escalations, Feedback Loop & Continuous Improvement

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Intelligent Document Processing (IDP)

ENGAGEMENT FRAMEWORK & SEQUENCING

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01 Business Requirement

Understand the business need and success criterion

- What problem are we solving
- What does the current process look like
- What is explicitly in and out of scope
- What is most important right now
- Are there business or technical constraints
- How will we measure success
- What are the quantitative targets
- Who signs off on success
- Performance, Reliability, Uptime needs

02 Sources

Understand document sources, types, and volumes

- Where do documents originate
- What Reference Data exists
- What fields are available/expected
- How is matter data accessed (all sources)
- How often is matter data updated and how fresh is it
- What formats will be presented, at what volumes
- What integrations & credentials will be used

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ENGAGEMENT FRAMEWORK & SEQUENCING

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03 Classification & Extraction

Understand what data to extract and how to classify

- What source metadata exists
- What static rules can be reliably applied
- What classifications, ambiguities, and overlaps will exist
- How will the system classify and link to a matter or matter(s)
- What metadata should be extracted from content
- How are multi-matter documents handled
- How is this configuration managed, changed, updated, governed

04 Metadata Tagging

Understand how documents should be tagged

- What target metadata is required/desired
- What metadata is standardized and what is freeform and/or custom
- How is metadata mapped, including fetched, enriched, and computed
- How is metadata managed, changed, updated, governed
- How are failures handled
- Are sensitivity levels required and how are they determined

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ENGAGEMENT FRAMEWORK & SEQUENCING

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05 Routing Rules

Understand how documents are routed

- What determines a document's route, including metadata, conditional and/or hierarchical rules
- Are the rules the same at different offices / groups, and how are office and groups determined
- Who owns the rules
- How are rules configured, changed, updated, and governed
- How are conflicts handled
- How are rules versioned and auditable

06 Destinations

Understand how documents are filed

- What target systems are in scope
- What is the target organizational structure
- Are there any target system limits; rate, size or volume caps, etc
- What integrations & credentials will be used
- How are confirmations and failures handled
- What retention labels will be attached and what system handles retention

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07 Exception Handling

Understand how exceptions are handled

- What exception types will exist
- What confidence thresholds for classification trigger escalation / manual review
- How are exceptions surfaced for human review, and feedback and corrections applied
- How does feedback get stored and applied forward to future documents
- How is feedback reviewed and governed
- Who owns the feedback and improvement process

08 Logging

Understand how logging will work

- What events must be captured
- What data elements per event must be captured
- Where will logs be stored and with what retention policy
- What is the log format
- How are documents traced from arrival to destination
- How is lineage, PII, and confidential event handled

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Team

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Salvatore A. Magnone
Senior Advisor
www.linkedin.com/salmagnone

Education

- B.S. Computer Science, Operations Research
  Saint John's University, NYC, NY, USA

Areas of Expertise

- Financial Services, Insurance, Life Sciences, and Defense sectors
- Business and Technology Strategy, Transformation and Innovation
- Data, Analytics, Machine Learning, AI, Quantum, IoT, and Robotics
- Distributed Computing, Super-Computing, Real-time systems, Exabyte Computing
- Master Data and Reference Data Management

Sal Magnone has over ~30 years of hands on experience in advanced technology strategy, design, management, and development across the financial services, insurance, defense, IT, and life sciences sectors in startups, mid-tier, government, and large enterprise firms.

Sal is a commissioned United States Army Field Artillery Officer, has served in a variety of capacities in US and overseas combat and training units; and teaches strategy and entrepreneurship at the university level and to business and military leaders

Voya Financial | Enterprise Data Platform (Programme Lead - Enterprise Digital Transformation)

- Led and delivered on Voya's new Enterprise Data Platform program, a project to transform Voya's retirement services data from multi mainframe-based reporting.
- Led the ground up design of the green field architecture including, the enterprise data model, enterprise ontology, canonical data messaging, data warehouses, data lake, ETL/ELT processes, validation & logging tooling, and the testing and validation process.

Valley National Bank | Core Banking Data Transformation (Programme Lead)

- Led the design of Valley's Master Data Management and Reference Data rollout
- Responsible for mapping mainframe data to the new customer master, selection of reference data types, and mapping and creation of reference data
- Responsible for design of Valley's future cross-core reference data management strategy and technology solution that multi-maps reference data between Valley's future core, legacy core, and disparate vendor systems that utilize different standards

Federal Reserve Bank | Fedwire Assessment (Data and Code Audit Lead) [PwC]

- Responsible for auditing the full data architecture and Java code base for Fedwire, the real-time gross settlement system of central bank money used by Fed banks to transfer funds electronically between ~10K member institutions. Fedwire performs about 150M transfers, valued at about $800T, annually and is a "systemically important financial market utility" (SIFMU) under Title VIII of Dodd-Frank

Large Federal Regulator | IT Department Assessment (Lead) [Sia Partners]

- Responsible for auditing the IT department at a large federal regulator. Responsible for finding over $20M/Year in recurring saving by restructuring testing & development methodology and team.