

### Al-Driven Automation and Advanced IDP Solution

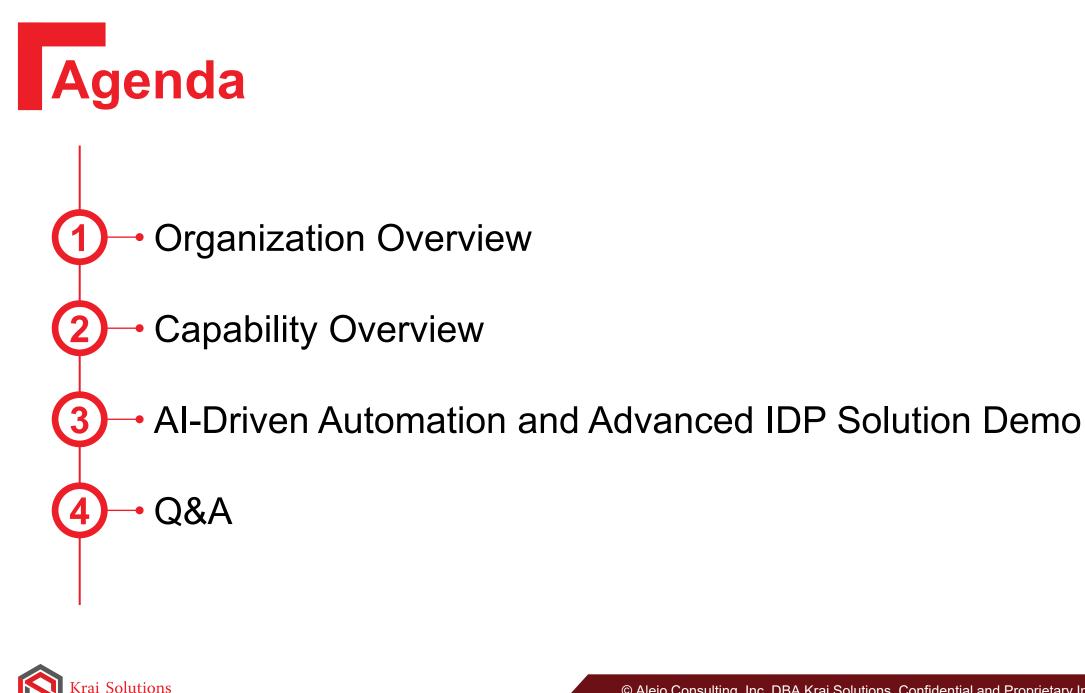
Empowering Digital Transformation, Securely & Seamlessly

#### **Krai Solutions**

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### **Our Approach to Problem-Solving**

#### **AUTOMATION-DRIVEN EFFICIENCY:**

Implementing automation to streamline processes, reduce errors, and improve efficiency.

#### **AGILE METHODOLOGY:**

Flexibility and collaboration ensure continuous adaptation to client feedback

#### CLIENT-CENTRIC DISCOVERY:

Listening first, tailoring solutions to fit unique business needs.



#### **INNOVATIVE THINKING:** Creative solutions using insights across industries

#### CONTINUOUS IMPROVEMENT:

Monitoring and adapting solutions to evolving requirements.

#### DATA-DRIVEN DECISIONS:

Making informed decisions based on robust data analysis. Testing hypotheses with prototypes and proof of concepts.



# **Organization Overview**

### Organization Overview

- Company Mission
- Company Data and Strategic Partnerships
- Core Competencies and Expertise
- Capability Overview

AI-Driven Automation and Advanced IDP Solution Demo
Q&A



## **Mission and Vision**

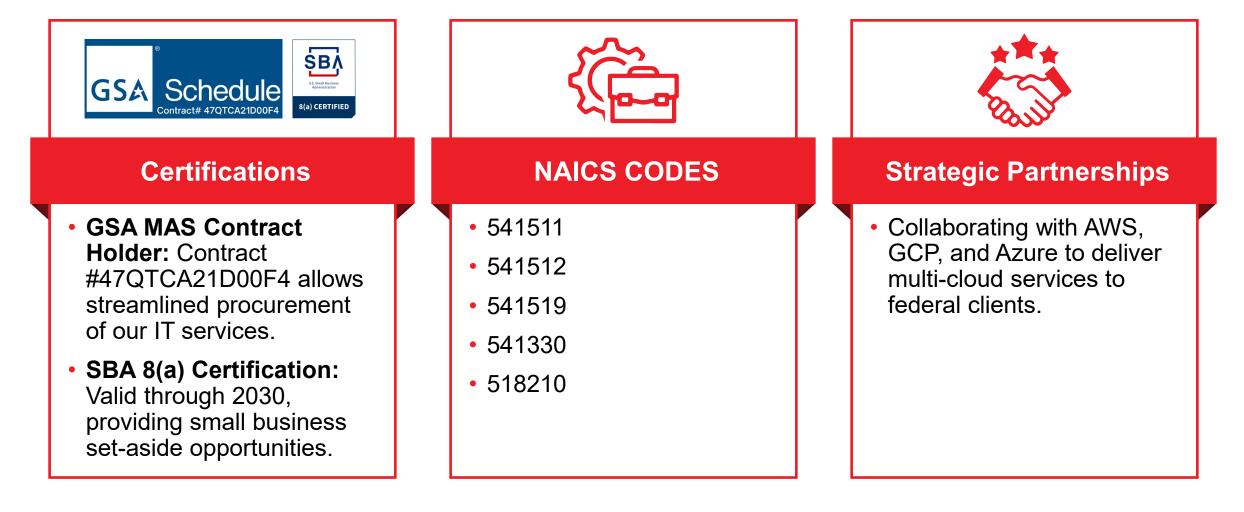
#### MISSION

- To deliver innovative IT solutions that streamline processes
- Improve cybersecurity
- Drive digital transformation in federal sectors.

- To be the leading provider of AI-driven automation and digital transformation solutions that enable operational excellence in defense and government agencies.
- Champion the adoption of cutting-edge technologies to create transformative, future-ready solutions.



# **Company Data and Strategic Partnerships**





### **Core Competencies and Expertise**

- O Agile Custom Software Development: End-to-end software development services focusing on security, scalability, and agility.
- Cloud Services: Cloud Transformation & Cloud Migration. Expertise in AWS, GCP, and Azure, ensuring secure and compliant cloud migrations and integrations.
- O AI-Driven Automation: Leveraging AI/ML to enhance decision-making and automate processes.
- **O** Cybersecurity Solutions: Ensuring compliance with DoD RMF, DISA STIGs, and FedRAMP.
- O **Operation and Maintenance Support:** Providing continuous operational support through Automation, DevSecOps, and IaC for faster deployment and provision.
- Data Management: Expertise in database design, development, and data lake implementations for efficient data storage and retrieval.
- **Systems Integration:** API-First Design approach for seamless systems integration and enhanced data flow.
- Advanced Search Implementation: Al-based search capabilities including Relevancy Ranking, enhanced facet navigation, Gen-Al search enhancement



# **Capability Overview**

**Organization Overview** 

### Capability Overview

- Custom Software Development
- Cloud Services and Expertise
- AI/ML-Driven Automation

- Cybersecurity and Compliance
- Enhanced Search Engine Implementation
- Unique Differentiators

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Q&A



### **Custom Software Development**

#### **Technologies**

- Microservices architecture, and API-First Design Approach for seamless systems Integration
- Agile methodology, DevSecOps, and Infrastructure as Code (IaC).



#### **Case Studies**

- NIH e-GOS modernization, where Krai Solutions reduced deployment times by 30% through Agile methodologies and secure cloud integration.
- Code Creator SaaS, where Krai Solutions implemented an AI-driven document Management system that enhances efficiency by automating document organization, extraction, and retrieval, enabling users to quickly find relevant information, streamline workflows, and make real-time data-driven decisions.



#### Benefits

• Secure, scalable applications tailored to defense and government environments.



### **Cloud Services and Expertise**

#### **Focus Points**

- Technologies refresh and legacy applications migration
- FedRAMP compliance and scalable, secure cloud architecture



#### **Case Studies**

- Successful migration of legacy systems for a federal agency to AWS, improving availability and reducing costs by 40%.
- NIH e-GOS technologies refresh and systems modernization, where Krai Solutions reduced deployment times by 30% through Agile methodologies and secure cloud integration.



#### **Platforms**

• AWS, Azure for multi-cloud flexibility, compliance, and security.



# **AI/ML-Driven Automation**



#### Capabilities

- AI and ML for predictive analytics, process automation, and real-time decision-making and DevSecOps enhancement
- Enhanced Search Engine Implementation with Generative AI



#### Tools

- AWS Textract and Comprehend for document processing (Tagging, Categorization, and entity recognition) and NLP tools for data extraction.
- OpenAI for Compound Queries analysis, Summarization, and Semantics search



#### Impact

 Enhanced search Experience, Advanced data tagging and classification, and Reduced document processing time by 70% for clients.



### **Cybersecurity and Compliance**

#### **Focus Points**

- Technologies refresh and legacy applications migration
- FedRAMP compliance and scalable, secure cloud architecture



#### **Case Studies**

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#### **Platforms**

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### **AI-Driven Enhanced Search Engine Implementation**

#### Capabilities

 Leverages machine learning and generative AI to enhance search accuracy, relevance, and user experience. Automates document classification, tagging and indexing, content extraction, and predictive search functionalities.



#### **Case Studies**

- Implemented an AI-driven search with Elastic Search for real-time document retrieval, improving information accuracy for defense-related data management systems.'
- Integrated search engine with e-commerce sites for NIH NITAAC, American Red Cross, Schneider Electric, and Teleflora



#### Tools

Solutions

- Apache Solr (NIH NITAAC)
- Google Search Appliance (American Red Cross)
- Endeca (Schneider Electric and Teleflora)
- Elasticsearch (IDP System)

### **Unique Differentiators**

#### **AI-Driven Automation**

- Our solutions optimize operations for complex client environments
- Data Classification and Tagging for superior data management for critical decision making



#### **Multi-Cloud Security**

- Expertise in SAML/OpenID, zero-trust (Authentication, Authorization, least-privileged, SSL, Data Encryption)
- Secure multi-cloud architecture



#### **Proven Success**

 Demonstrated results with Federal and commercial clients, improving operational efficiency and reducing costs



# Al-Driven Automation and Advanced IDP Solution Demo

- Organization Overview
  - Capability Overview

### AI-Driven Automation and Advanced IDP Solution Demo

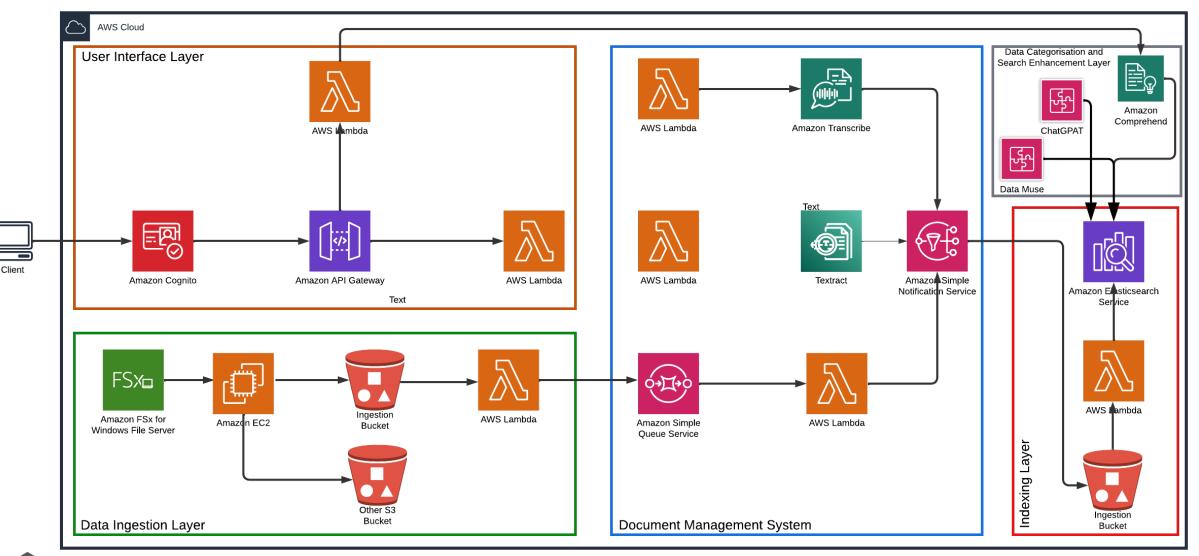
- System Architecture
- Features

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Live Demo

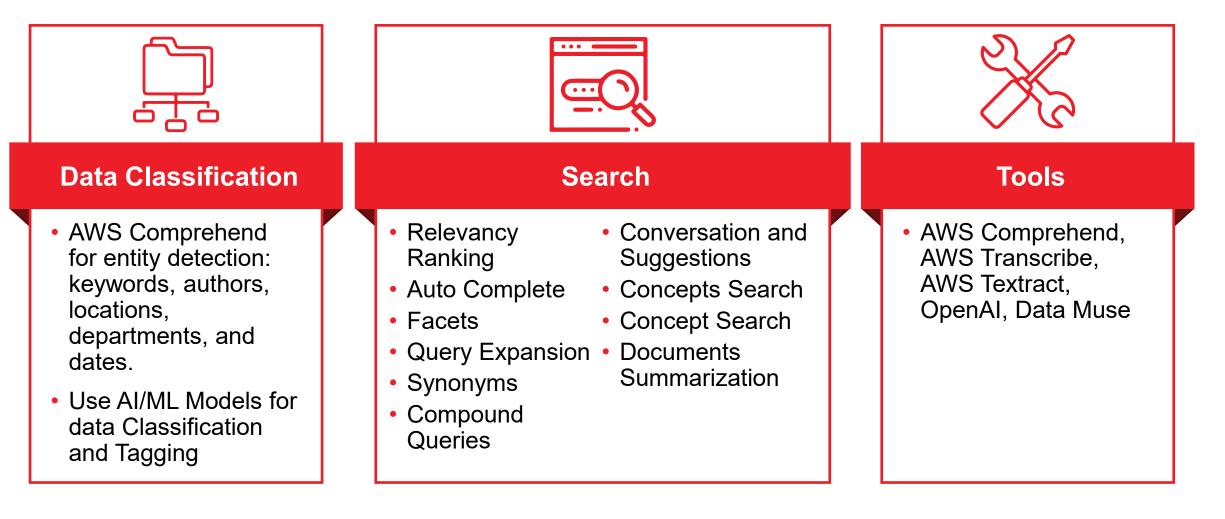


### **System Architecture**



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Q&A

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