

ATHENA POWERING CAREER **EVOLUTION THROUGH** MULTIMODAL GEN AI



GOVERNMENT ACQUISITIONS

At a Glance



FOUNDED
1989



FEDERAL IT
**SOLUTIONS PROVIDER &
TRUSTED ADVISOR**



SOLVE COMPLEX
IT PROBLEMS



BEGIN & END
**WITH SUPPORT FOR
THE MISSION**



EXECUTE **FLAWLESSLY**



PARTNERED WITH THE BEST



TECHNOLOGY
PARTNERS



FEDERAL SYSTEMS
INTEGRATORS



CONSULTING
PARTNERS



ECOSYSTEM
PARTNERS



MAKE
ACQUISITION SIMPLE

HUBZone
CERTIFIED

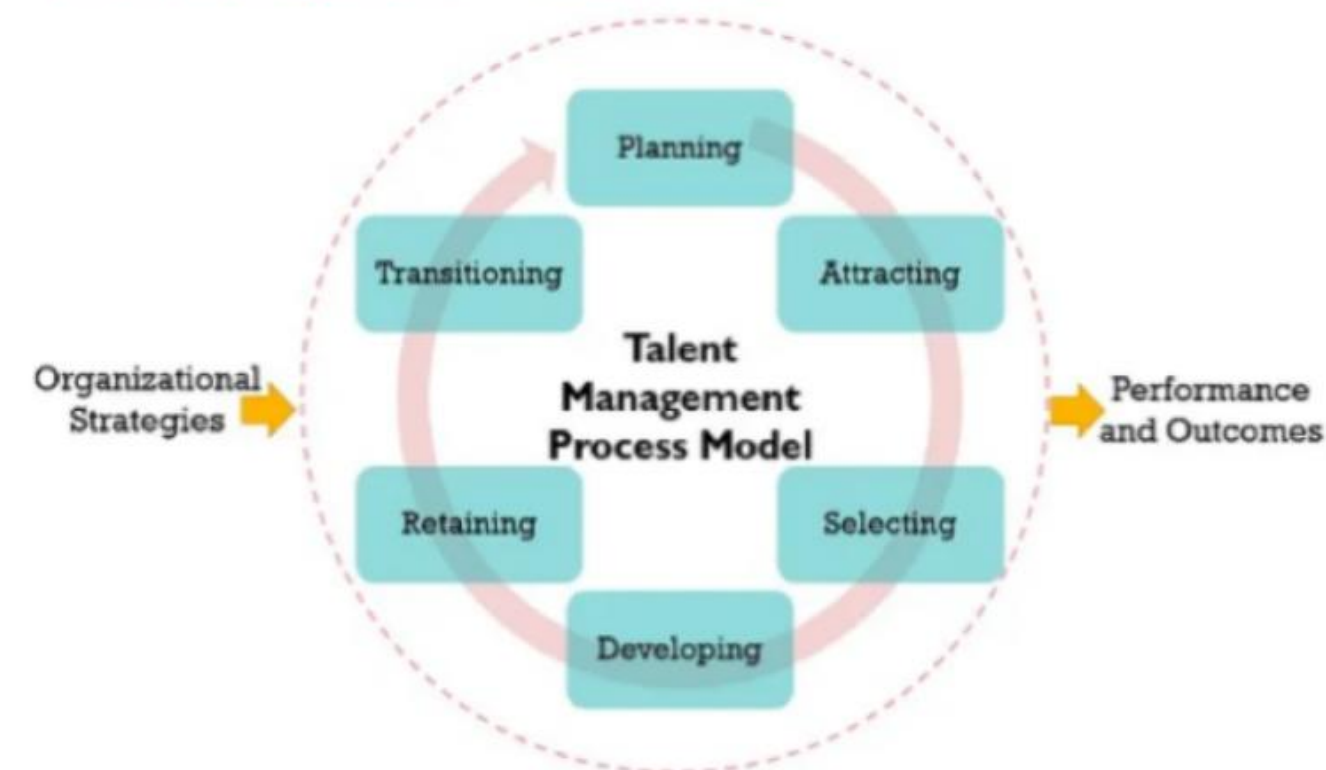




- Athena is an AI driven multi-modal talent management platform to assist career seekers with professional resume building, personalized cover letter generation, LinkedIn optimization, mock interview preparation accelerating their career launch.
- Athena can also be used by recruiters, government agencies, system integrators to screen and manage talent pipeline across hundreds of thousands of applicants, graduates and career seekers applying for jobs.
- Athena is the AI-powered digital concierge for talent management, transforming job hunting and candidate screening with expert resume crafting, bespoke cover letters, LinkedIn enhancement, and mock interview prep.
- It accelerates the job req matching with the right resume cuts down job search time by almost 80% and significantly improves your chances of matching the right candidates to the right jobs.
- Athena seamlessly integrates with AI powered Learning Management System for hands on AI Literacy Training and student engagement to promote learning and retain talent.



Talent Management Process Model



Platform Overview



ATHENA

Platform

ATHENA TALENTX

Module

ATHENA PROPOSALX

Module

ATHENA RECOMX

Module

ATHENA VIDEOX

Module

ATHENA

Suggestion Engine

ATHENA

Assessment Engine

ATHENA GENERATION
MODEL

FT - DBRX_BASE_132B

ATHENA ASSESSMENT
MODEL - BL TALLY

FT - Llama2-70B

Resume Scoring against Job Description

Scoring of candidate resumes against job descriptions and generating quality content for resumes to prevent ATS Filtering



Fast Talent Screening by Recruiters

Recruiters and FSIs can screen and score thousands of resumes for job reqs.

Graduate Placement Assistance

Universities and Colleges Career Services Teams can use this to help place millions of their graduates into high paying jobs.

Generating Personalized Cover Letters

Generating Professional Cover Letters & LinkedIn Content in Minutes

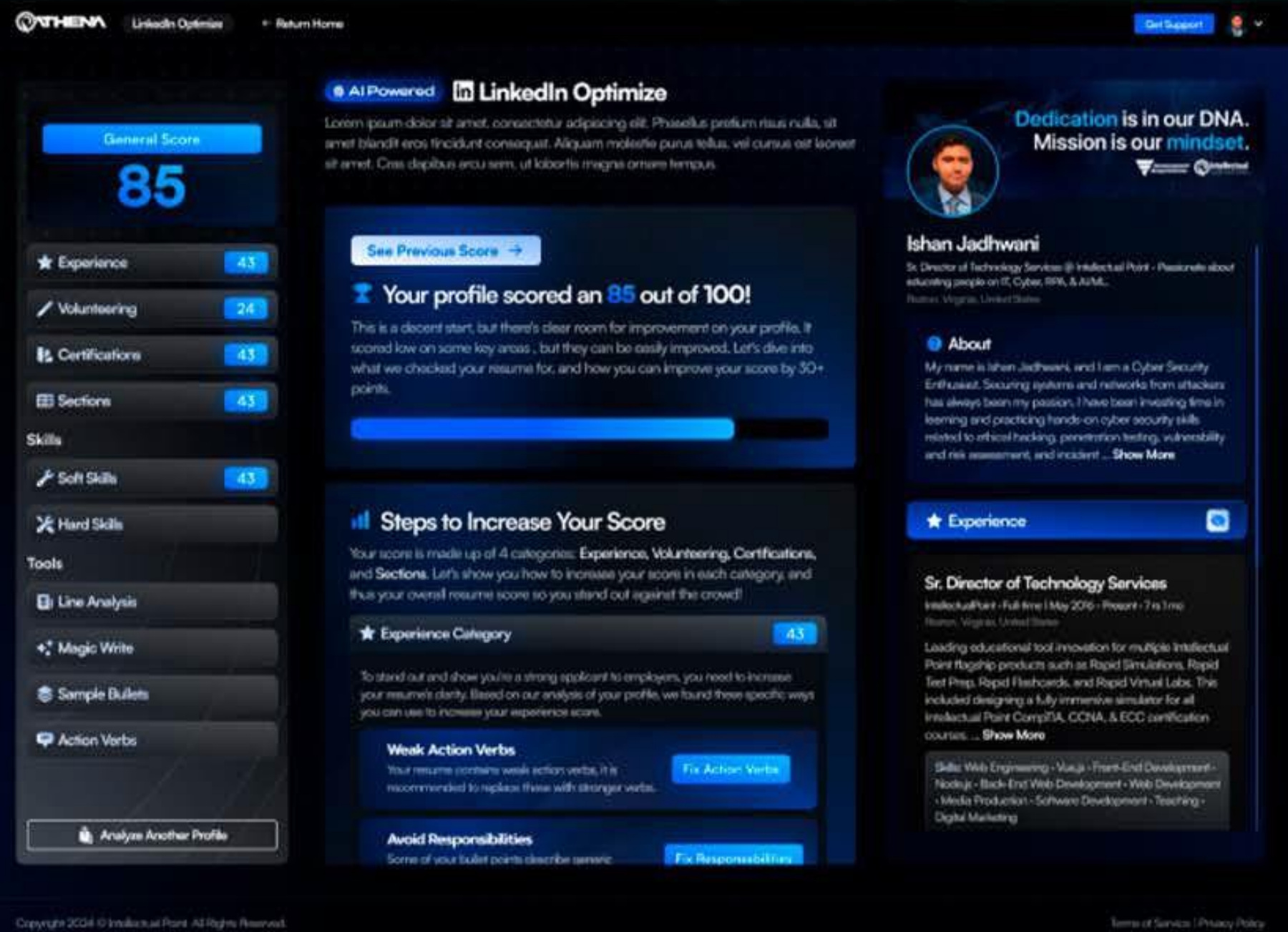
Mock Interviews & LinkedIn Optimization

Helping candidates prepare for job interviews, optimize LinkedIn profiles and generate studio quality professional pictures.

Talent Management by OPM and HR

When combined with Canda and UiPath, this can be used for Talent Management & Retention by OPM and HR departments of agencies, MOS matching for soldiers, national guard, airmen, reservists etc.

An optimized LinkedIn profile



Enhancing Your LinkedIn Presence

Leveraging the Athena Recon module, Athena transforms LinkedIn profiles into compelling narratives of professional achievements. The tool evaluates and enhances profiles based on a range of attributes, including but not limited to, summary length, consistency, use of buzzwords, and quantified achievements.

Effective Cover Letters



ATHENA Cover Letter Crafter [Return Home](#) [Get Support](#)

AI Powered **Craft your Cover Letter**

Below you will need to fill out all mandatory fields and any applicable data to ensure you receive a personalized Cover Letter! Keep in mind, the skills and job experience sections should only relate to the job this cover letter is for.

Job Title

Job Title

Employer Information

Employer Name

Hiring Manager Name

Experience Information

Years of Industry Experience

Seniority Level

Entry Mid Senior

Job Description

Enter the job description for the position you are applying for. Please make sure to enter the entire description to ensure information is not missed!

Enter a Description

Add Your Skills

Use the input dialog below to add the skills you possess that relate to this job field. To do this correctly, type one skill at a time and click Add Skill. This will add that skill to the box below. Repeat this for all of your skills!

Using Excel Using PowerPoint

Enter a Skill Add Skill

Your Contact Information

Enter your contact information so that the hiring manager can contact you if necessary. As you may notice, many of the fields have been pre-populated with your data. If you do not feel comfortable providing your street address, you do not have to provide it. If you are unsure of your phone number, you can leave it blank.

Templates **Letter History**

The Trive Template

John Smith

The Luminate Template

DR. STEPHEN L. PETERSON, PRESIDENT/CEO

The Visionary Template

John Smith

The Elevate Template

John Smith

[Generate With AI](#)

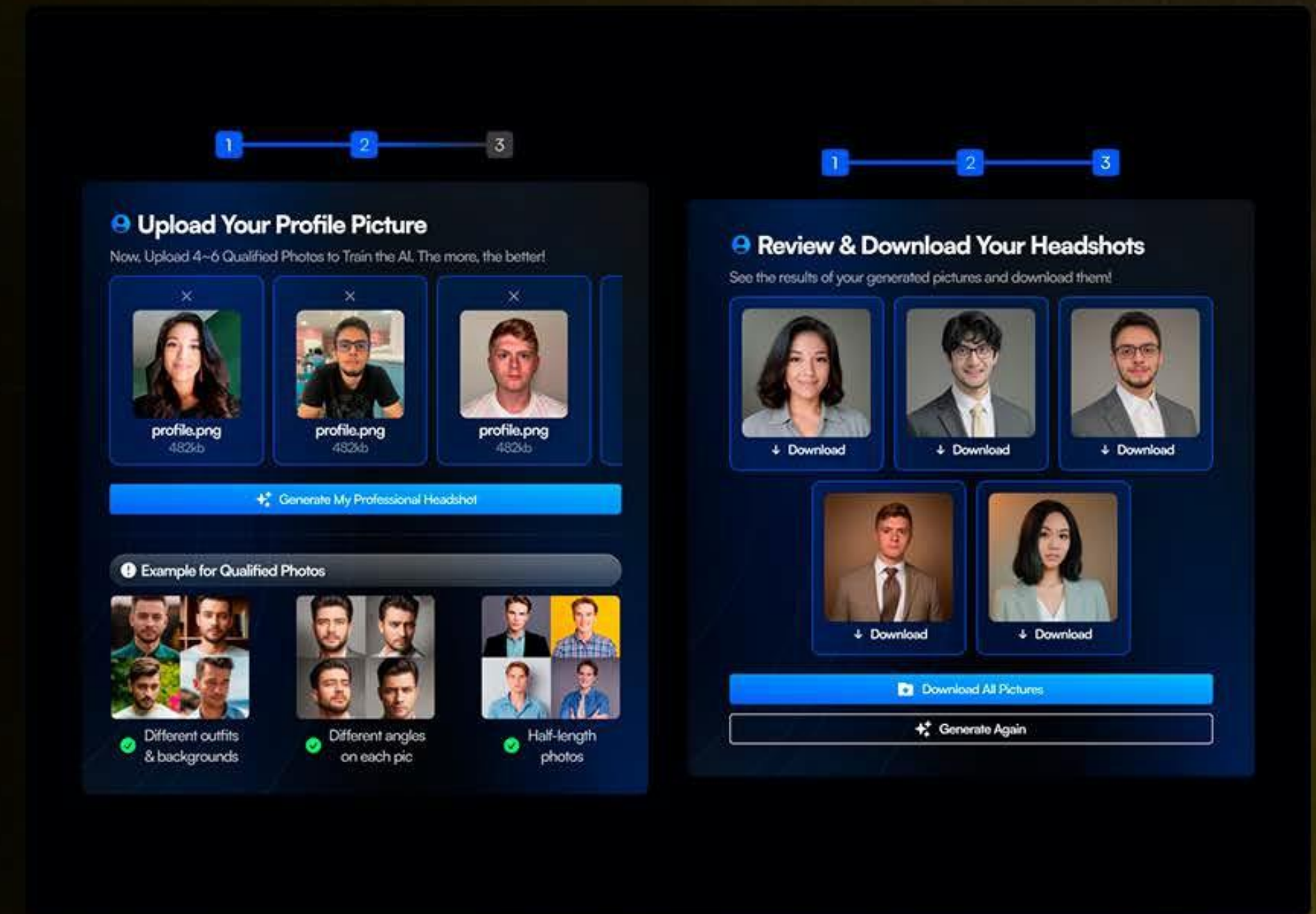
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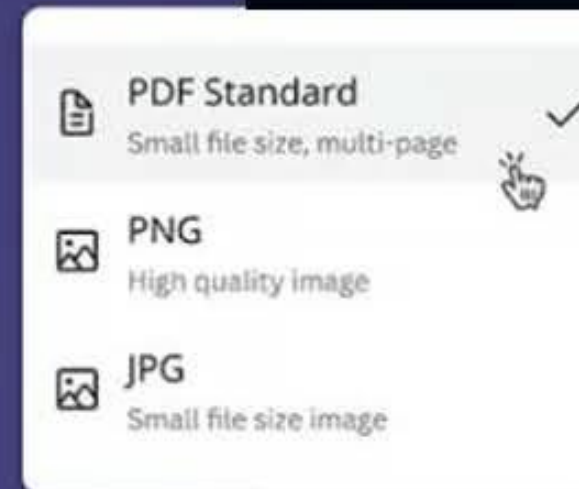
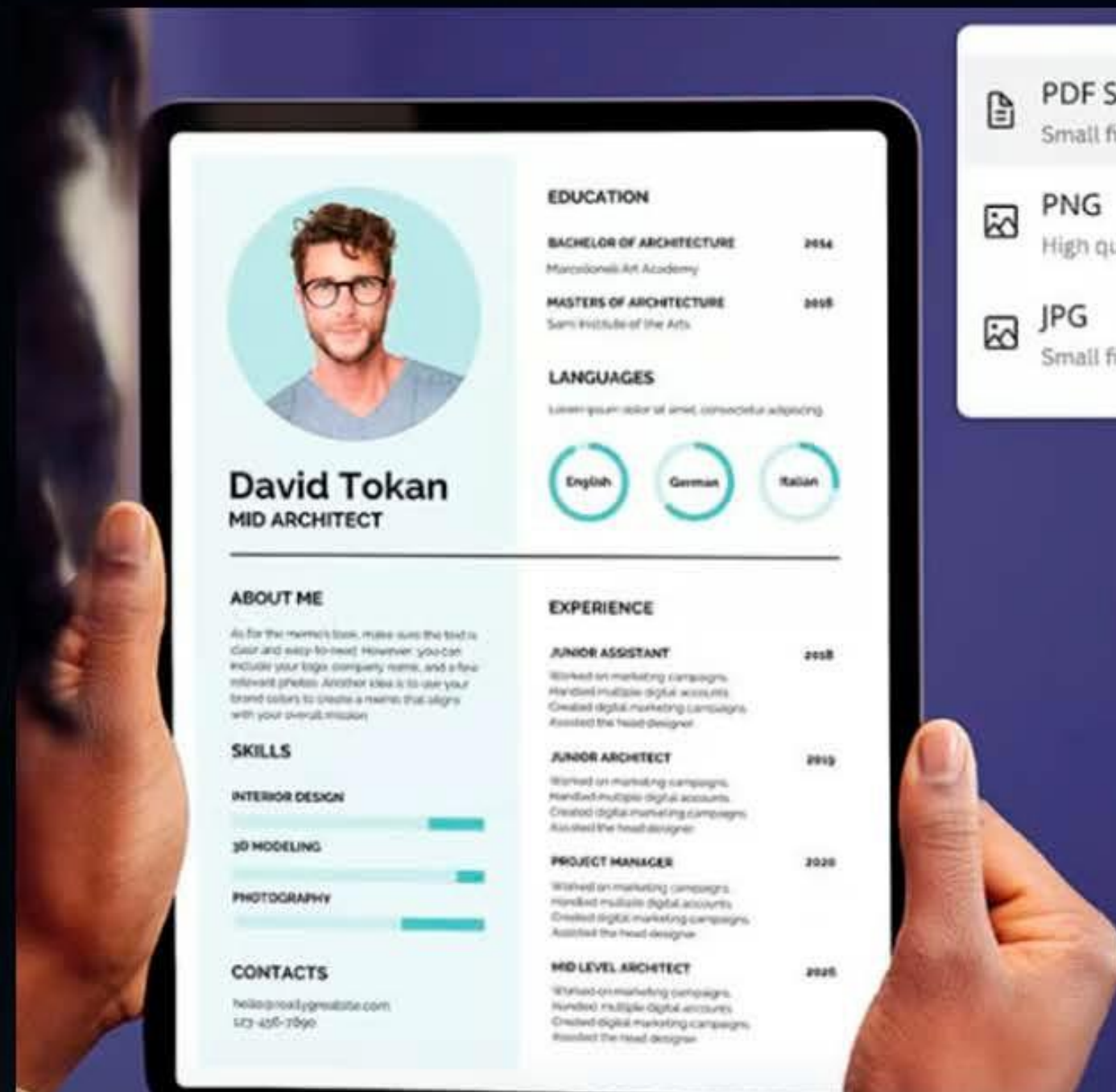
Customized Cover Letters

By analyzing the job description and employing Athena Recon to navigate the web for a company's mission and objectives, it aligns the applicant's cover letter with the hiring needs of the organization. This method ensures a personalized and humanized application that resonates with hiring managers.

Professional Headshot Generation

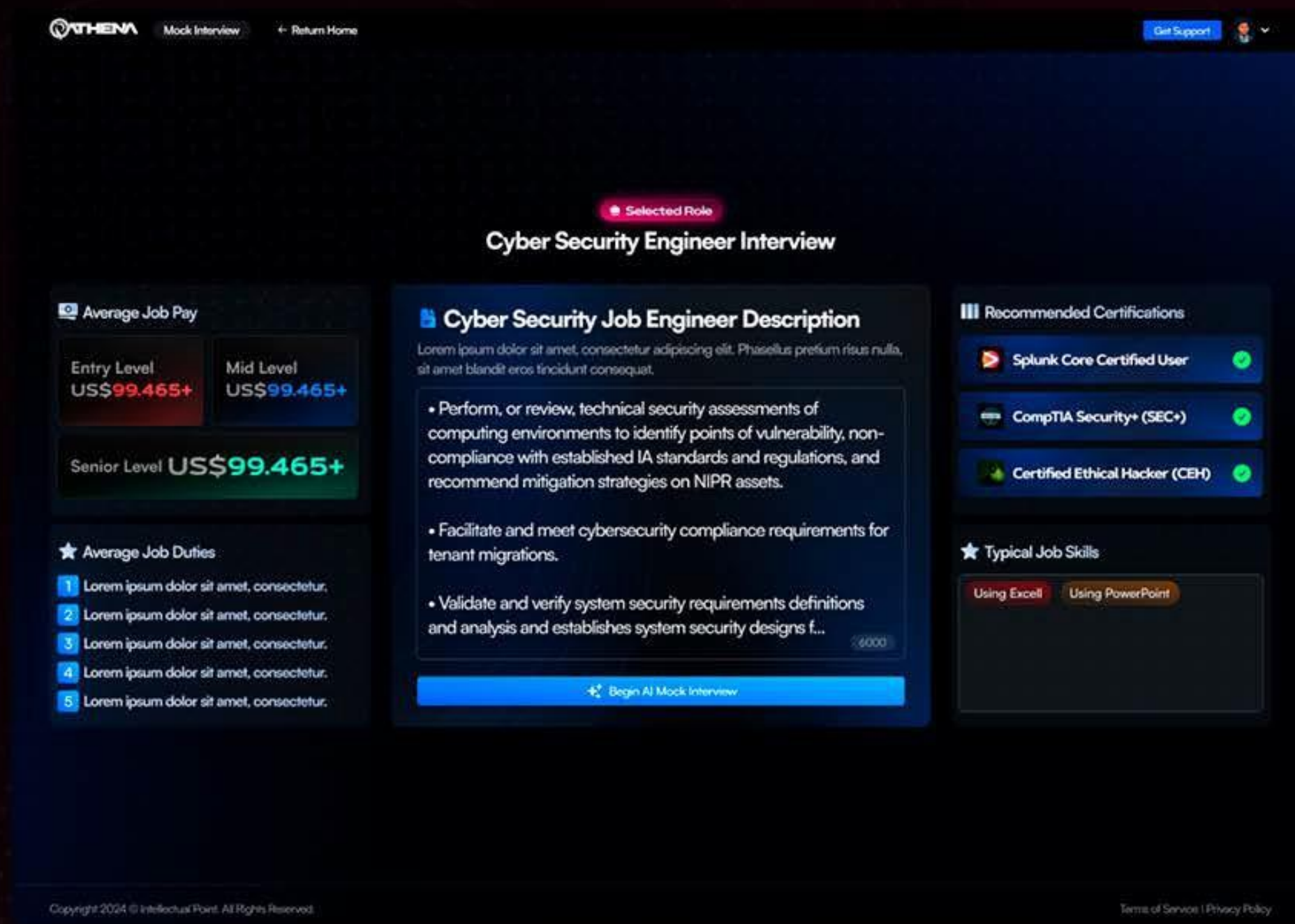
Athena AI's novel feature of generating professional headshots further personalizes and enhances the profile's appeal. With its cutting-edge headshot generation, Athena offers a complete package, merging visual allure with narrative precision to make your LinkedIn profile truly stand out.





Text to Video

Get to Know your Next Career



AI Mock Interview Preparation

Athena's mock interview capabilities combines preparation with precision. It customizes questions based on the user's resume and job specifics, using advanced NLP for real-time response transcription and an interactive AI avatar experience.

Apps Launcher

Select an App to Launch



PRACTICE
SIMULATIONS



PRACTICE
FLASHCARDS



PRACTICE
EXAM EDGE



PRACTICE
VIRTUAL LABS



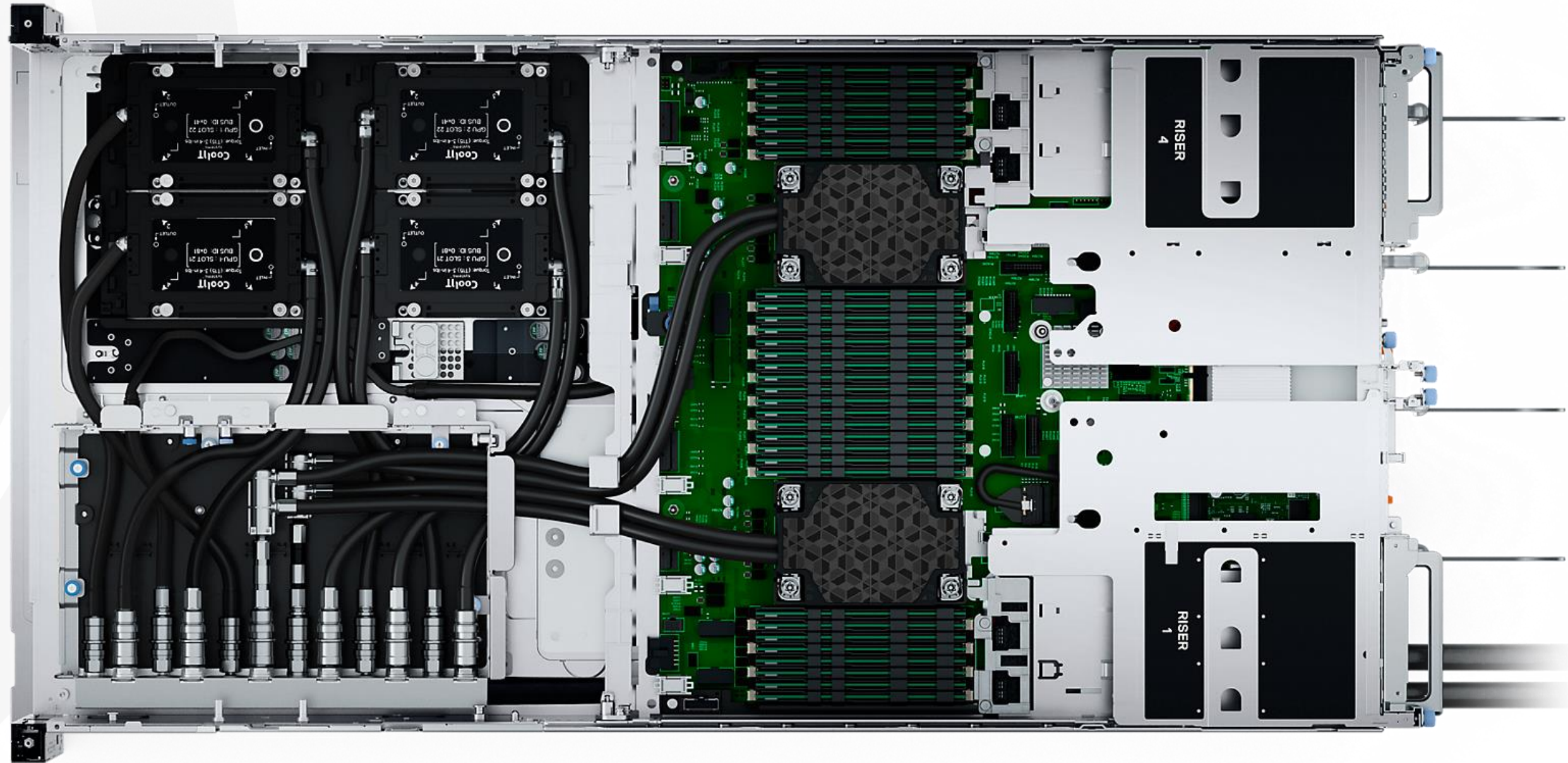
LLaMA
by ∞ Meta

Athena is built on a fine tuned version
of Meta LLama-70b



Athena is trained and inferencing on
Nvidia DGX A100

On-Premise Secure Deployment of Athena on Nvidia / Dell Equipment



SMALL (R7625)
MEDIUM (R760xa)
LARGE (XE8640/XE9640)
X-LARGE (DGX H100/XE9680)

Infra & Cost Activities	Athena-MiniTech (AMT)	Athena-MidRange (AMR)	Athena- HighCapacity (AHC)	Athena-PowerMax (APM)
Memory (RAM)	512GB RAM	1TB RAM	1TB RAM	2TB RAM
Compute (CPU)	64C/128T	112C/224T	112C/224T	112C/224T
Storage (NVMe)	4TB SSD	25TB SSD	25TB SSD	30TB SSD
Compute (GPU)	2x Nvidia H100	4x Nvidia H100	4x Nvidia H100	8x Nvidia H100
Foundation Model	Llama-2-70B or Mixtral-8x7B	Llama-2-70B or Mixtral-8x7B	Llama-2-70B or Mixtral-8x7B	Llama-2-70B or Mixtral-8x7B
Model Inference (Concurrently)	1 Evaluation	2 Evaluations	2 Evaluations	5 Evaluations
Model Inf. Latency	128 Tokens / 10s	128 Tokens / 4s	300 Tokens / 1s	750 Tokens / 1s



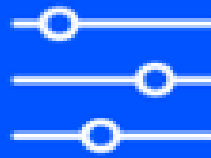
Data Engineering

Data Collection and Integration, Data Storage & Management, Data Exploration & Analysis, and Setting up ETL Pipelines for GenAI



Vector Database

Requirements Analysis, Infra Planning, Database Design & Modeling, Integration w/ Data Sources, Indexing & Optimization



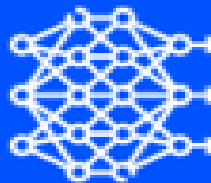
AI Model Customization (Fine-Tuning)

Objectives Definition & Scope, Model Selection, Baseline Establishment, Fine-Tuning Strategy, Model Fine-Tuning



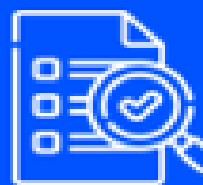
MLOps (Deployment, Orchestration, Guardrails, & Monitoring)

Experimentation & Model Development, CI/CD for ML, Model Deployment & Serving, Monitoring & Ops, Governance & Compliance



RLHF (Reinforcement Learning via Human Feedback)

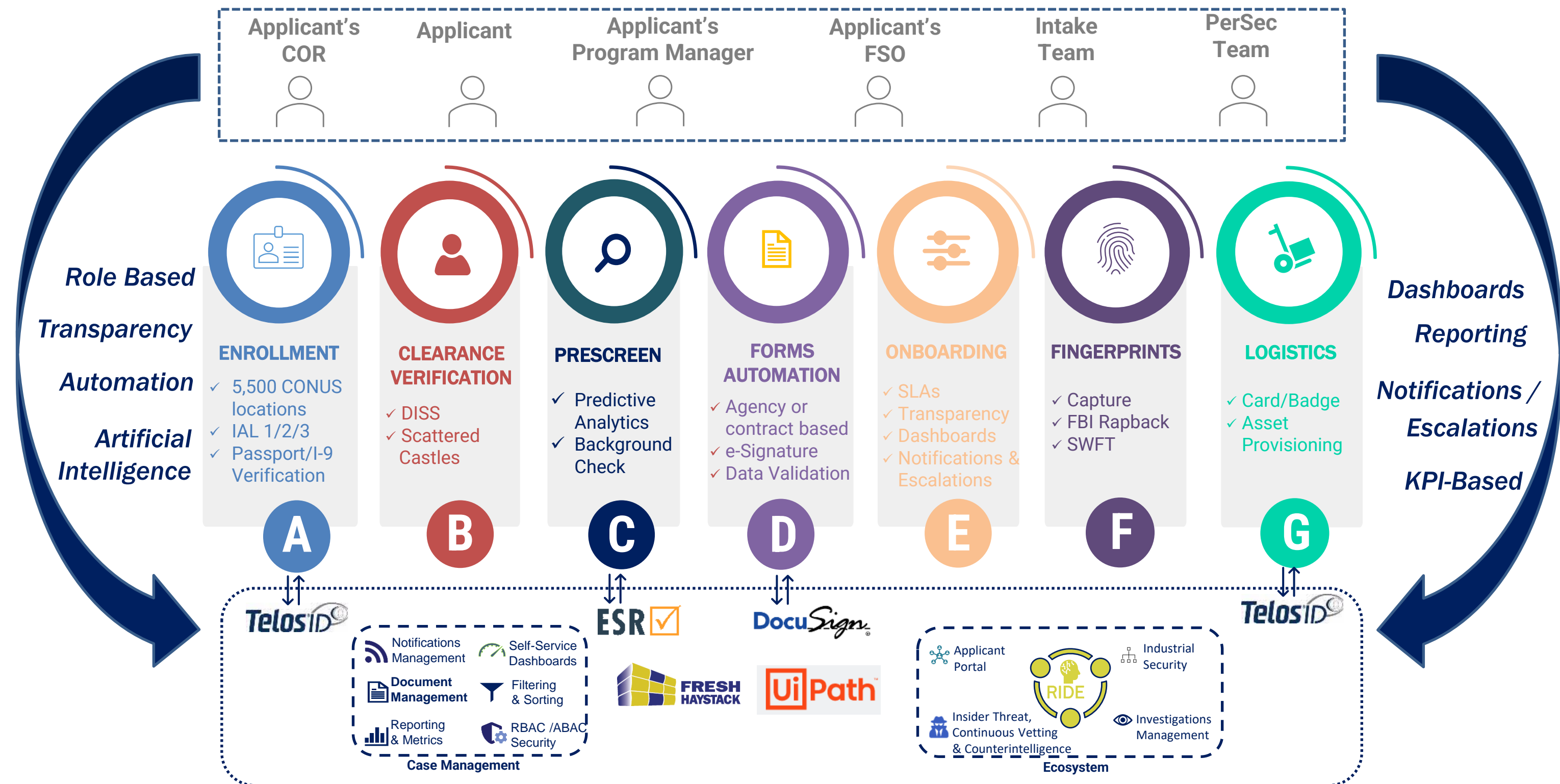
Data Collection for Human Feedback, Incorporating HF, Reward Modelling, Policy Learning & Refinement



Testing & Validation

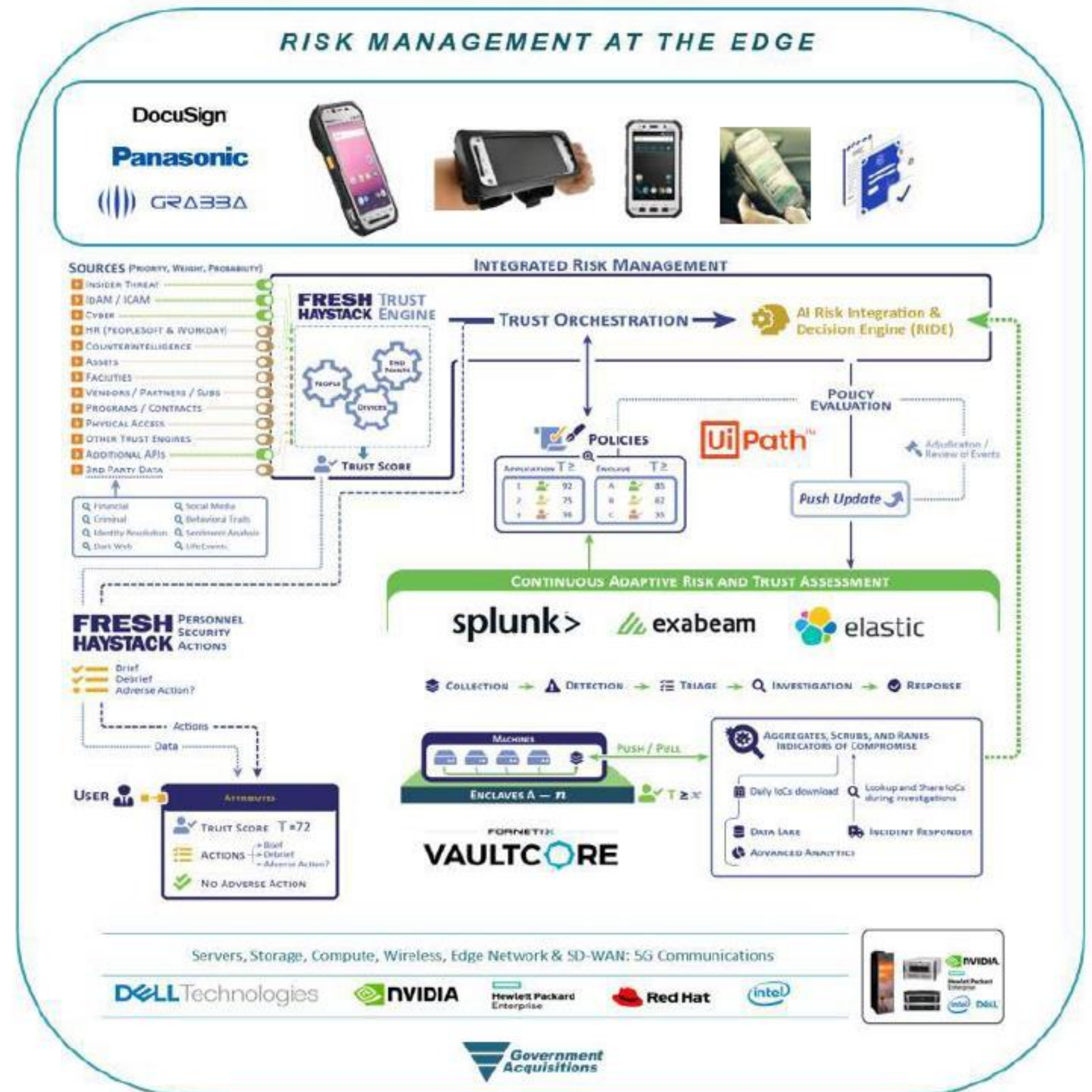
Evaluation & Integration, Integration and Real-World Testing, Documentation & Deployment

Automating an Applicant's Journey with Canda Fresh Haystack, UiPath Automation & Athena



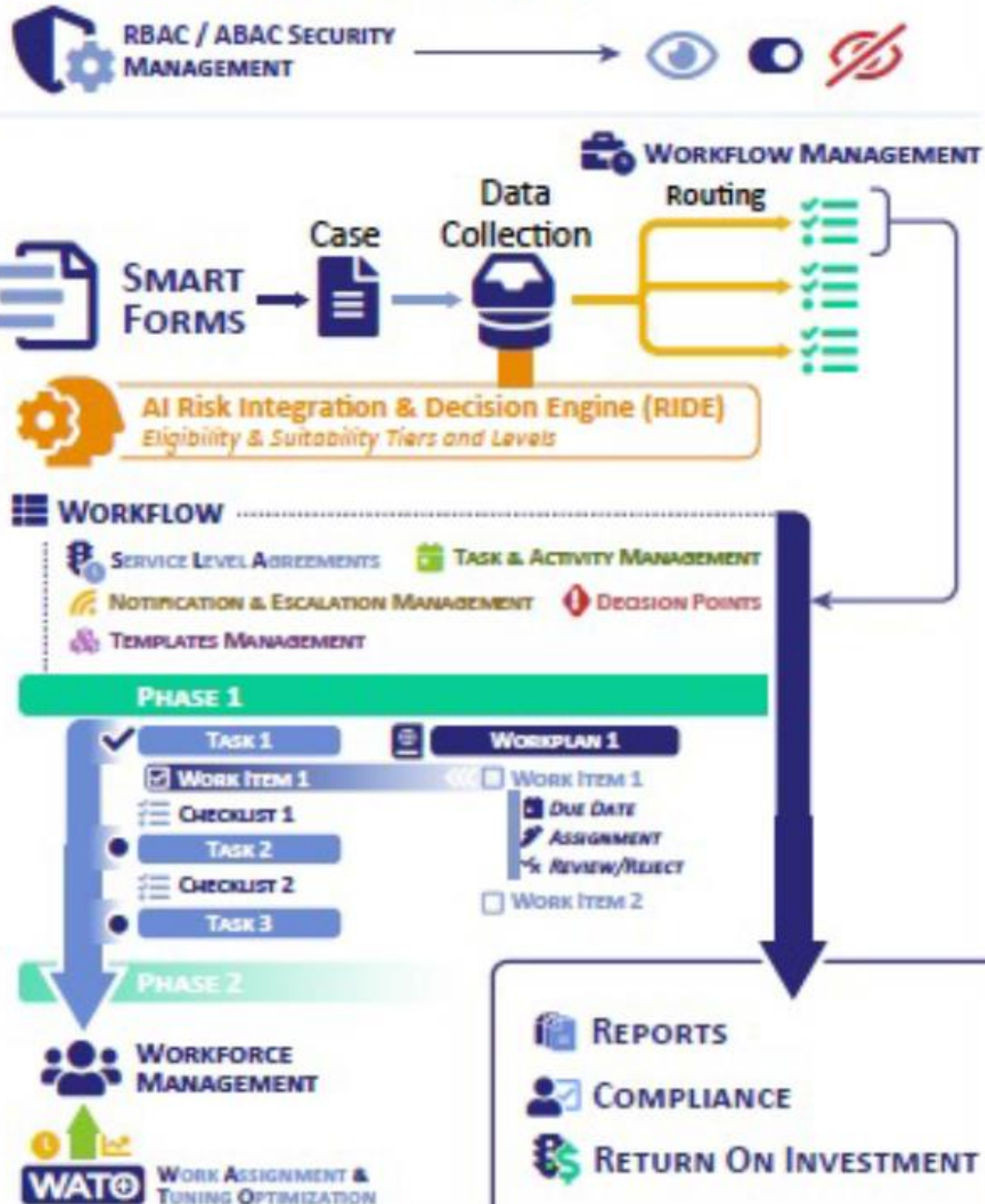
Risk Management At the Edge

- End to end AI based Risk management platform with pre-configured workflows to manage all aspects of risks facing the National Security Agencies.
- It can be used by law enforcement agencies for automated background and crime investigation, personnel and passenger vetting, border and airport security, benefits, and entitlement distribution, continuous vetting of employees and insider threat management and to support national ID programs.
- Developed in collaboration with Canda Fresh Haystack, Panasonic, UiPath, DocuSign and Fornetix, is a modern, integrated solution for handling complex security and risk management challenges at the edge.
- Canda Fresh Haystack offers case management platform and leverages trust orchestration to quantify human generated risk in a non-evasive manner with the goal of tracking mitigation opportunities across your agency.



Workflow Capability

SYSTEMS ADMINISTRATION



Design

- Low code, drag and drop building environment
- Create simple or complex business rules
- Assign tasks and approvals
- Collaborate on tasks and requests
- Test run processes
- Copy, export, version processes
- Collaborate using freeform comments

Workflow

- Create single, group, or multi-tiered approvals
- Run parallel or sequential flows
- Set up reminders, customizable notifications, and time-outs
- Create child processes, and external code extensions

Integrations

- Rest-based open API (ServiceNow, Salesforce)
- Integrate processes with external databases
- Via UI Path, Push and pull data from a variety of enterprise systems
- Document and Forms Signing via DocuSign
- Import/Export from PDF or Excel

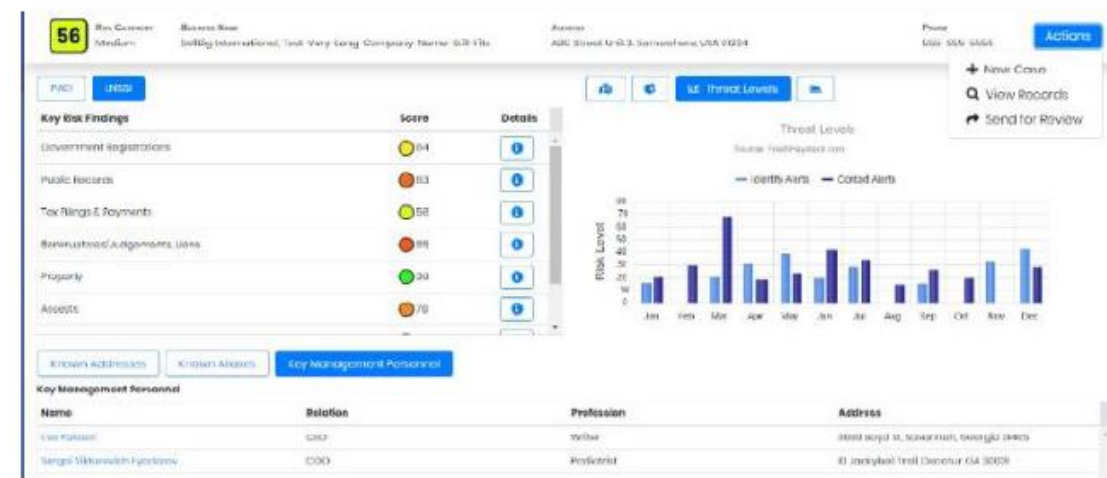
Sample Use Cases:

1. Onboarding
2. Industrial / Personnel Security
3. Vetting
4. Compliance & Governance
5. Investigations Management



Risk Management At the Edge

- The system integrates with multiple data sources (LexisNexis Risk Solutions, Thompson Reuters etc.) to provide a comprehensive risk profile, and quicker response to potential threats.
- It uses a Trust Engine to create a composite risk score called Trust Score. Fresh Haystack delivers trust orchestration capabilities by dynamically assessing the risk of the user and device. This solution ties the aggregate Trust Score to the person since the person has access to critical agency information and items of value.
- This solution facilitates electronic enrollment streamlining the process of onboarding individuals into programs or systems. The system can track an individual's access to various benefits or entitlements, providing alerts for any anomalies that might indicate fraudulent activities.



Example Risk Scorecard



Each Risk Stream is prioritized using a guided wizard, all issues are documented, audited, weighted and probability is added. The risk score is calculated for each risk stream and the total enterprise risk (eCARES) is a weighted mean of the individual risk streams.

If eCARES surpasses the acceptable baseline (i.e. 85 in red higher than 80) then the system will prompt for mitigation steps and dates triggering creation of the Technology Security Plan version, allowing to track and report metrics and corporate risk over time.

“Enable risk management teams to move beyond yearly "risk management" checklists to make **continuous, adaptive, and intelligent risk-optimized security control decisions.**”

“Seven Imperatives to Adopt a CARTA Strategic Approach”
Gartner, Inc. | [3871363](#)


[Learn More](#)


Hands-On Practical Approach To Generative AI and Machine Learning

This hands-on course in generative AI and machine learning equips professionals with key skills, including understanding generative AI principles, mastering machine learning techniques, addressing model challenges, and navigating ethical considerations. Participants gain practical skills for effective implementation in the DoD and federal mission areas.


[Learn More](#)

AI For Project Managers and Human Resources

This course integrates AI into DoD project management and HR practices, emphasizing ethical use, practical applications, and strategy development. Designed for project and program managers, as well as HR professionals, it provides hands-on learning for immediate application in project management roles.


Featured Course
[Learn More](#)


Responsible AI for Decision Makers and Agency Contracting Officers

This course is focused on the ethical, trustworthy, and responsible implementation of AI within the government agencies. It covers AI fundamentals, practical DoD use cases, generative AI technologies and large language models and delves into ethical considerations, risk management, bias and legal issues related to AI. This course aims to equip DoD personnel with the knowledge of the new AI technologies, tools, applications, and the associated risks to help make informed, ethical decisions in the acquisition, procurement and deployment of AI technologies and solutions in the military operations.



Fundamentals of AI and Machine Learning, Applications, Challenges

- Real world applications of AI and how AI is transforming the world around us.
- Common AI terminologies: AI and ML definitions, history, current state, goals, types of models.
- Describe Artificial Intelligence workloads and considerations.
- Steps to creating a data science pipeline (Fetching Data, Training the Model, Inferencing)
- Applied Computer Vision and natural language processing (NLP)
- Alignment of AI Solutions with DoD AI Principles including Responsible, Equitable, Traceable, Reliable, Governable.
- Importance of Labeling data for AI and how to scale data for AI.
- Overview of Supervised, Unsupervised learning and Reinforcement Learning.
- Adversarial AI / Attacks on AI & How to Overcome them
- Detecting and Preventing Model Hallucinations & Model Drift
- Responsible AI & Removing AI Model Bias
- Installing Guardrails on Generative AI and LLMs
- NIST RMF & ISO Standards for Generative AI
- AI Governance and Privacy Measures
- Fusion of RPA/Intelligent Automation with AI
- Generative Adversarial Networks or GANs — technologies that can create visual and multimedia artifacts from both imagery and textual input data.
- Transformer-based models — technologies such as Generative Pre-Trained (GPT) language models that can use information gathered on the Internet to create textual content.
- Overview of High-Performance Compute (HPC) and GPUs, high-density racks, liquid cooling etc.
- Examples of Commercial AI / HPC solutions – Nvidia, Dell, HPE, H2O, AI, Deepgram.AI, Alteryx etc.

GAI

AI/ML/RPA Innovation Lab

Located in a Highly Secure QTS Data Center



- ▶ Secure Co-Location Server Facility in Ashburn, Virginia
- ▶ 87,000 square foot facility
- ▶ Ample expansion options in a stable and secure environment
- ▶ Customer office and conference space available
- ▶ Secure cage location
- ▶ Multi-Gig connectivity options



HOW CAN GAI TEAM HELP?

- Deeper dive Market Research & Ideation Workshops
- Technology Evaluation and Vetting
- Proof of Concept in the RPA/AI/ML Lab
- Full Stack Solution Sizing and Deployment
- Augmenting your Automation & AI Capabilities
- Talent Management, Workforce Development
- Augmenting DoD Workforce with AI Literacy





Prem Jadhvani
Chief Technology Officer
Government Acquisitions Inc.
Prem.Jadhvani@gov-acq.com
703-554-3827



Dan Glover
Inside Account Executive (DoD)
Government Acquisitions Inc.
Dan.Glover@gov-acq.com
513-562-2043

Dedication is in our DNA

Mission is our Mindset

