

AI LAUNCHPAD

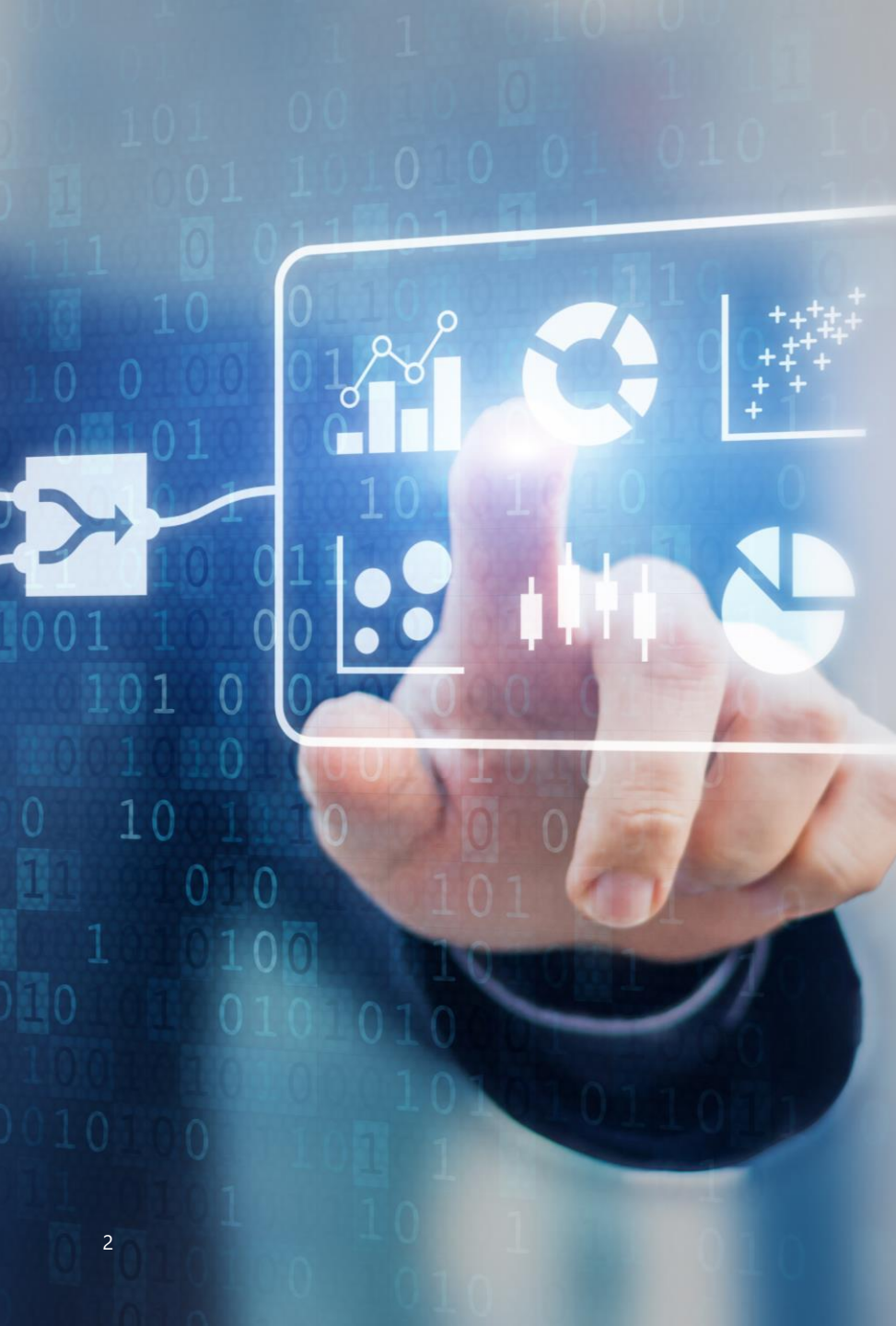
Propelling AI from Idea to Impact

 **Microsoft**
Solutions Partner
Microsoft Cloud

 **Microsoft**
Solutions Partner
Data & AI
Azure

Specialist
Kubernetes on Azure
Analytics
Infra and Database Migration

 **REPLY**
VALOREM



HOW DO ORGANIZATIONS MAKE AI A REALITY IN THEIR DAILY OPERATIONS?

Every groundbreaking innovation begins with a bold idea, but turning that idea into a functional, impactful solution can be a complex journey. From aligning data infrastructure to integrating advanced AI capabilities, the path to building AI-powered apps can feel overwhelming. Valorem Reply's AI Launchpad is designed to remove those obstacles, empowering businesses to bring their AI vision to life with speed and precision.

CHALLENGES

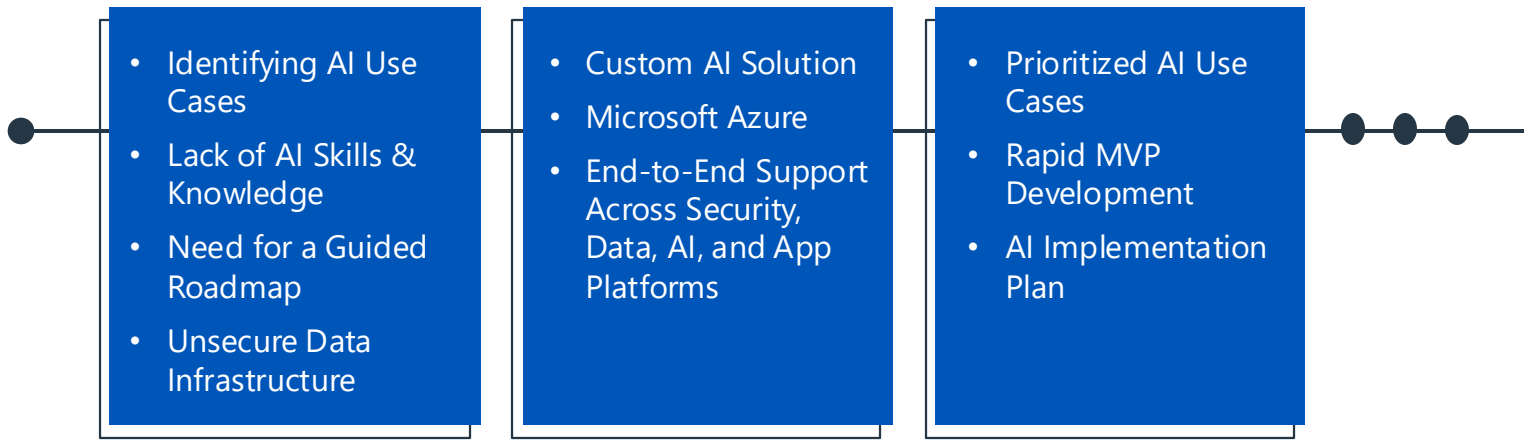
- Identifying AI Use Cases
- Lack of AI Skills & Knowledge
- Need for a Guided Roadmap
- Unsecure Data Infrastructure

IDEAL SOLUTION

- Custom AI Solution
- Microsoft Azure
- End-to-End Support Across Security, Data, AI, and App Platforms

DESIRED OUTCOMES

- Prioritized AI Use Cases
- Rapid MVP Development
- AI Implementation Plan



AI LAUNCHPAD

Leveraging cutting-edge data, AI, and application platforms, we provide end-to-end support to build scalable AI solutions that form a solid foundation for innovation and growth.

1

END-TO-END
SUPPORT

3

SCALABLE
ARCHITECTURE

2

SECURE
DEPLOYMENT

4

RAPID MVP
DEVELOPMENT



WHY VALOREM REPLY'S AI LAUNCHPAD?

As a Microsoft Data & AI Solutions Partner with several advanced specializations, our AI Launchpad ensures secure delivery and seamless deployment of your AI applications, whether your team is building an MVP or preparing to scale for production.

**Deep Azure
Expertise**

**Wide Range of
Custom AI Solutions**

**Longtime Prioritized
Microsoft Solutions
Partner**

**Real-World Data &
AI Expertise**



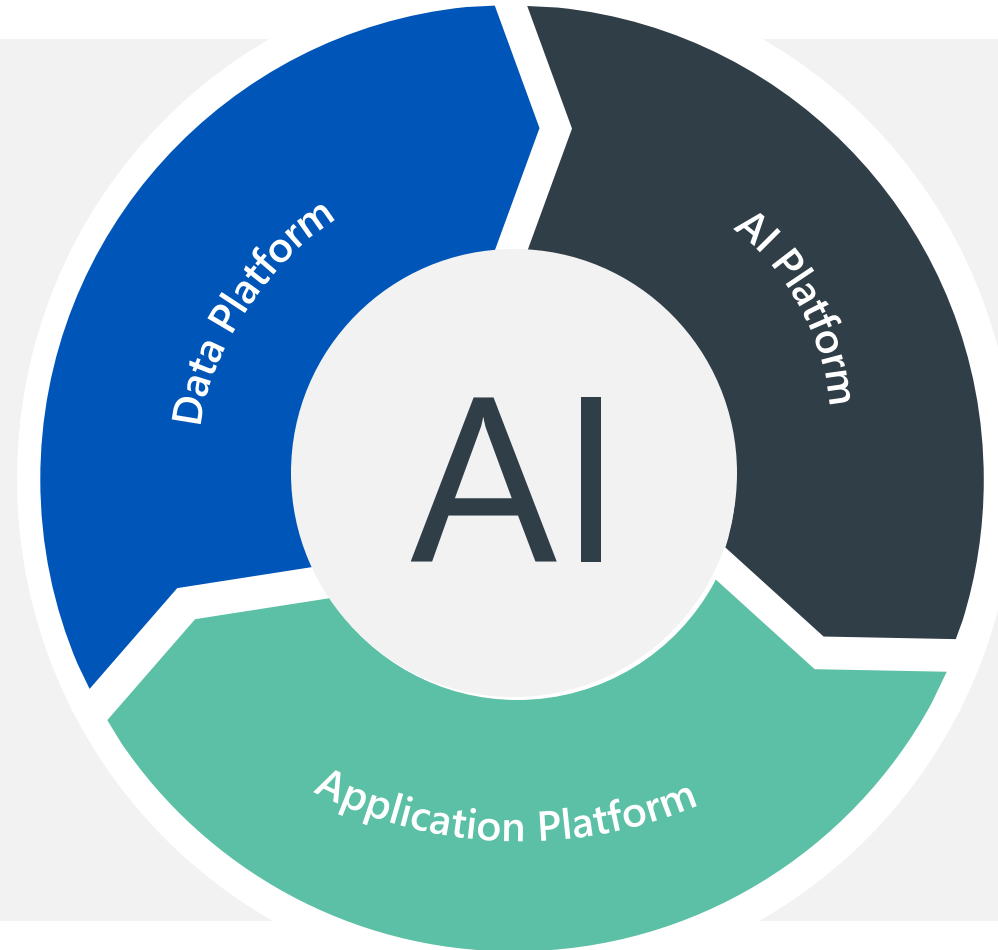
ANATOMY OF AI SUCCESS

DATA PLATFORM

- Microsoft Fabric
- Azure Cosmos DB
- Azure SQL Database
- Azure Database for MySQL and PostgreSQL

APPLICATION PLATFORM

- Azure Kubernetes Service
- Azure App Service
- Azure Container Apps
- Azure API Management
- Azure Functions



AI PLATFORM

- Azure OpenAI Service
- Model-as-a-Service
- Azure AI Search
- Azure AI Speech
- Azure AI Vision
- Azure AI Studio





A NEW ERA OF ART ENGAGEMENT THROUGH AI INNOVATION

PROBLEMS & OPPORTUNITIES

- Need for a seamless, accessible way for visitors to learn about exhibited artwork in real time.
- Limited access to information on artworks and artists for on-site and remote visitors.
- High volume of visitors requiring a scalable and responsive solution.
- Integrating AI-driven recognition technology while maintaining ease of use for diverse audiences.

STRATEGIC SOLUTIONS

- Build an AI-driven art recognition feature powered by Azure, integrated into a mobile app.
- Develop a robust backend and API infrastructure to support high-volume image recognition and data retrieval.
- Implement a scalable architecture capable of handling over 70,000 attendees.
- Use AI to generate artwork descriptions to augment gallery provided information.
- Phased rollout to optimize initial model performance and prepare for broader scalability.

BUSINESS IMPACT

- Seamless access to detailed artwork information, making art discovery richer and more interactive.
- Increased visitor engagement and satisfaction with an immersive on-site experience.
- Enhanced accessibility, broadening audience appeal and reducing barriers to art appreciation.
- Ability for attendees to share their art fair experience on social media, promote gallery information, and showcase individual artwork details—ultimately driving greater engagement and sales.
- A foundation for future expansion of AI-driven features to enrich art fair experiences.



EXPANDING EMPLOYMENT OPPORTUNITIES AT GOODWILL WITH AI



PROBLEMS & OPPORTUNITIES

- Need to improve the auction site's user interface for enhanced user experience.
- Difficulty in managing product listings and descriptions manually, causing a labor shortage.
- Limited accessibility features hindering usability for diverse users.
- Instability of the mobile application on Android and iOS devices.

STRATEGIC SOLUTIONS

- UI/UX design improvements tailored for intuitive user interaction.
- Technical troubleshooting to stabilize and enhance app performance for both Android and iOS users.
- Integration of Azure AI Services for automated product image analysis and description generation.
- Customization of app features to support accessibility needs (e.g., high-contrast mode).

BUSINESS IMPACT

- Enhanced stability and functionality of the mobile application on both Android and iOS platforms.
- Streamlined product listing processes, reducing time spent on manual tasks by more than 35%.
- Expanded accessibility allowing more developmentally and physically disabled people to work in e-commerce positions.
- Anticipated increase in revenue from enhanced online sales capabilities.
- Improved listing accuracy and capability, redirecting more goods away from the landfill and to a successful sale.



ELEVATING TENNIS PERFORMANCE THROUGH DATA & AI INNOVATION



PROBLEMS & OPPORTUNITIES

- Lack of actionable insights for strategic match improvements.
- Coaches and players need real-time tracking and analysis to better understand the player performance during a match.
- Difficulty in streaming real-time data from multiple data source providers, including precision cameras and sensors.

STRATEGIC SOLUTIONS

- A Tennis Analytics Application that provides actionable, real-time, and detailed analytics.
- Leverage Azure OpenAI to generate AI-driven match summaries.
- Detailed metrics for serves, forehands, backhands, volleys, and other key actions during matches.
- Integrate point-by-point analysis and visualizations like heat maps and shot plots.

BUSINESS IMPACT

- Enhanced decision-making through comprehensive data analysis.
- Improved player performance by identifying strengths and weaknesses.
- Strategic advantages with tailored game plans against opponents.
- Boosted player confidence with granular understanding of their performance.



LEARN MORE ABOUT VALOREM REPLY'S AI LAUNCHPAD

Learn more: <https://go.valorem.com/AI-Launchpad.html>

