# AI Document Assistant

Solution Overview

# Agenda

- Motivation

- ML Experiment Tracking: Why & How

- Experiment Trackers: Comparison & Decision Criteria

- Solution Architecture

- Sample Tool Stack

- Multi-Environment Implementation

- Recommended LLMOps Workflow

# Motivation

- **Objective**: Develop a reliable and efficient AI document assistant, ensuring security and rapid improvements.

**Requirements**

- **Systematic Model Development and Experiment Tracking**: Enable detailed tracking and versioning for auditability and reproducibility.

- **AWS Integration**: Ensure compatibility with AWS services like SageMaker and Glue.

- **Security and Compliance**: Maintain strict security, support self-hosting, and comply with standards.

- **Usability and Performance**: Provide a user-friendly, Python-compatible platform with clear results and cost-effective performance.

Full presentation is available upon request