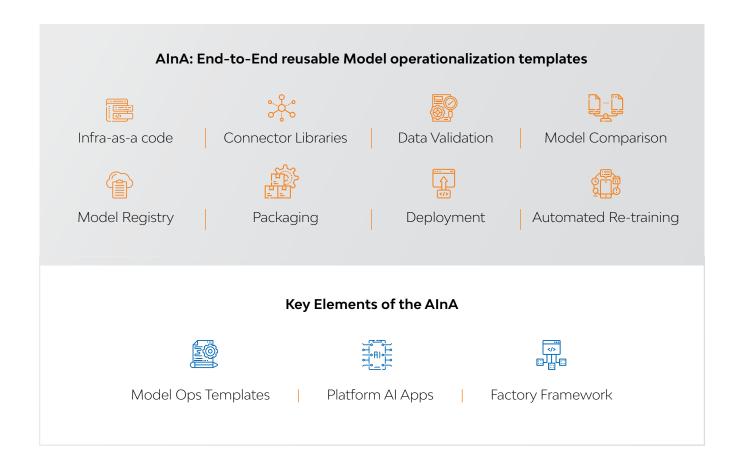# LTI

Let's Solve

LTI AInA:
Model Ops templates to operationalize AI/ML models

LTI AInA is template-based approach to operationalize the AI/ML models on cloud hyperscalers platform like Azure, AWS & GCP. AInA leverages pre-built templates to automate model operationalization process and enable bring your own model (BYOM) concept when models are developed in other languages and framework.

The key persona's it influences are AI engineers, data scientists, data engineers and business analyst to help standardize and streamline the AI/ML lifecycle and help them achieve time to market and scalability.

AInA: End-to-End reusable Model operationalization templates

Infra-as-a code	Connector Libraries	Data Validation	Model Comparison
Model Registry	Packaging	Deployment	Automated Re-training

Key Elements of the AInA

Model Ops Templates	Platform AI Apps	Factory Framework

Model Lifecycle Management

- End to End model life cycle management including experimentation, training, deployment and serving using Azure ML/AWS Sagemaker/GCP Vertex AI

- Model version control, explanations, auto ml

- Python, R and mlflow integrations

Observability

- Model monitoring including model drift, data drift and service health to understand model performance

- Operational dashboards to highlight performance metrics for business users and data scientists

- Governance and security insights

Key Features:

Infrastructure

- Infrastructure as a code as part of pipelines to automate resource provision for training, scoring etc.

- Resources for batch, near real time and real-time model deployments

Continuous Integration, Deployment, Training & Monitoring

- Extending CI/CD pipelines with continuous re-training using automated triggers from monitoring metrics leveraging DevOps platform

- Automated model comparison and Registry

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