

SCALE YOUR MODELS WITH MLOPS LIFTOFF

THE CHALLENGE

Scaling AI and ML experiments requires multiple iterations with various components and steps. Moving these models to production involves established processes and workflows. After production, ML deployments require ongoing monitoring, quality control, and critical issue debugging.

For this process to succeed, you need collaboration between multiple teams and stakeholders. Otherwise, your AI or ML innovations will be significantly delayed — if they are deployed at all. Knowing AI/ML innovations add value to your business is one thing. Going from idea to integration is another. So how do you get there?

THE SOLUTION

SoftServe's MLOps Liftoff aligns your data scientists and business unit leads, accelerates your pace for generating value from your models, and reduces your risk of technical debt.



For 30 years, software companies and enterprises alike have relied on us as a global IT leader. With our extensive AI/ML experience, SoftServe experts will customize your migration and optimization strategy to provide you with the CI/CD infrastructure necessary for a seamless AI/ML model deployment.

As an AWS Premier Tier Services Partner, we leverage AWS Cloud's ML products for fast and reliable AI model delivery and adoption.

ULTIMATELY, INCORPORATING MLOPS WILL:



Improve your market position and competitive advantage



Reduce time-to-market for new products and services



Decrease your total cost of ownership (TCO)



Boost productivity and innovation



Scale AI/ML efforts companywide, with a higher ROI



Streamline the idea to the production cycle with more efficient model deployment



Deliver real-time monitoring and debugging of production models



Automate ML pipelines and operations of ongoing delivery



Centralize data management, quality control, and governance



Increase prediction accuracy and data quality

SOFTSERVE'S APPROACH AND DELIVERABLES

	STAGE 1	STAGE 2	STAGE 3
PRE-REQUISITES	<ul style="list-style-type: none"> Evaluation Data Sample Data Processing Logic Model & Expected Output 	<ul style="list-style-type: none"> Model & Training Code Train & Evaluation Data 	<ul style="list-style-type: none"> Security Model Processes Role Model
TOOLS	<ul style="list-style-type: none"> SageMaker SageMaker – Endpoints SageMaker – Data Wrangler 	<ul style="list-style-type: none"> SageMaker – Studio SageMaker – Pipelines SageMaker – Feature Store 	<ul style="list-style-type: none"> SageMaker – Pipelines SageMaker – Endpoints AWS Services
DESCRIPTION	<p>MODEL MIGRATION TO AWS CLOUD</p> <p>The model object is:</p> <ul style="list-style-type: none"> Integrated as an endpoint Migrated to AWS Cloud Used for making predictions by the solutions with the help of SageMaker pipelines and accelerators 	<p>MINIMUM VIABLE MLOPS PLATFORM (CI/CD/CT)</p> <p>Uses IaC templates and SageMaker accelerators to redesign the AI/ML solution to match the MLOps optimized maturity level</p>	<p>GOVERNANCE & AUTOMATED LIFECYCLE</p> <p>ML architecture is optimized and extended to support a customized governance framework for:</p> <ul style="list-style-type: none"> Deployment Monitoring Approvals Maintenance Feedback processes
BENEFITS	Fast and reliable set of model predictions using AWS infrastructure and low latency networking	An optimized migration strategy for CI/CD, data transformation, and ML pipelines	Delivers optimal model results and costs based on a continuous data stream
DURATION	5 weeks	7 weeks	12 weeks
COST	\$45,000	\$90,000	Request a quote

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Resources

50+

AWS Certified
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