Data, Analytics & Machine Learning

Our comprehensive practice for every step in your data-driven journey

Leverage the Power of Data

Whether you are considering building or buying a data lake, looking to improve existing data architecture and pipelines, or implementing custom AI & ML algorithms to better understand your organization's or your customers' needs, we have the in-house expertise to help.

TRANSFORM YOUR DATA STORAGE

Gain insight from an increasing volume of data without compromising data access or speed.

MAKE DECISIONS THAT IMPROVE ROI

Apply algorithms to your data and make informed decisions for your business initiatives.

UPGRADE DATA PIPELINES & PROCESSES

Manage data orchestration, QA your data, and optimize data pipelines and processes.

OPTIMIZE MACHINE LEARNING MODELS

Drive continuous improvement in your machine learning models.

AWS COMPETENCIES

→ Data & Analytics
→ Machine Learning

AWS DESIGNATIONS

→ Amazon QuickSight
→ Amazon RedShift
→ Amazon OpenSearch
→ AWS Glue

Why Mission

85% of data projects never make it to production – but it doesn't have to be that way.

"Mission takes a holistic approach to data, incorporating data engineering, analytics, AI/ML, data science, and MLOps. In other words, you can work with AWS-certified practitioners across every discipline data touches. We start by working backward from your ideal end-state to arrive at a fully realized data architecture. And upon completion, we'll give you the documentation you need to continue to build on our work. "

RYAN RIES

Practice Lead, Data, Analytics, & Machine Learning

Dr. Ryan Ries has been an authority on data, analytics, and machine learning for 20+ years, and has spent the last 5+ years helping customers build out their AWS data infrastructure.

Our Capabilities

DATA ENGINEERING & ANALYTICS

Mission's data engineering experts can help with every aspect of setting up your data lake, lakehouse, data warehouse or data mart. Our services include: development of data ingestion jobs, designing and building the foundation of the data lake, creating data pipelines, establishing an ETL process, and establishing business intelligence and visualization tools such as Tableau, Amazon QuickSight, and Power BI.

ML OPERATIONS

Data models have finite lifetimes and require continuous training. For these ML operations, we will

→ develop CI/CD pipelines to keep your model up to date with the latest parameters and hyper parameters,

→ automate training jobs, QA processes, and parameter validation to ensure the efficiency, accuracy and accessibility of your data models.

DATA SCIENCE & AI/ML

Mission's data science and engineering experts can help you architect solutions leveraging AWS AI services as well as design custom algorithms to generate deeper insights about your business. Custom algorithms can be created in predictive analytics, natural language processing, recommendation engines, computer vision and more.

Customer Success Story

"Mission enables us to focus on confidently delivering and continuously enhancing our business-facing products, and as little time as possible pushing buttons to scale AWS architecture or perform maintenance. Bringing on Mission has, and continues to make a lot of sense for us."

RUSSELL WANGLER
Chief Technology Officer

7SIGNAL®

CHALLENGE

7SIGNAL's existing AWS architecture for monitoring wireless networks was having issues with performance and scalability — and holding back product development. The company sought to rebuild its architecture and create a new alerting agent that could deliver near real-time customer alerts for WiFi errors and anomalies.

SOLUTION

Mission transformed 7SIGNAL's data architecture with AWS SQS for distributed message queuing, AWS Lambda for serverless computing, S3 for object storage, and Amazon DynamoDB to maintain and process records.

RESULTS

→ 7SIGNAL's new alerting agent is able to analyze millions of streaming data messages daily.

→ Mission's optimizations have **decreased operating costs by 26%**, and our modernization plan projects an additional 47% reduction once implemented.

mission cloud

Mission Cloud is a next-generation cloud services provider, combining managed and professional services. We help businesses migrate, manage, modernize and optimize their AWS environments at every stage of their cloud journey.

1 (855) 647-7466 • www.missioncloud.com • sales@missioncloud.com

aws
PARTNER
Premier Tier
Services