

# DATA ENGINEERING, AI AND ML SOLUTIONS FOR AWS

*Right Decisions, Lean Architecture, Faster to Production.*

Trust the certified engineers of New Math Data for their innovative ideas and the AWS guidance to support your business needs. Maximize your company's performance, harness the power of the cloud and achieve your goals.



**DEEP FOCUS ON  
DATA AND  
ANALYTICS**

## Gen AI Assessment

The GenAI assessment is conducted by our team of Data Science Engineers, AWS Certified Solutions Architects, and Business managers in various stages of the assessment. The goal of the GenAI Assessment is for New Math Data to help set a path forward on how GenAI can help you attain your business goals.



## Well-Architected Review

Our dedicated team of architects and experienced cloud engineers are experts at designing and building resilient, high-performing, and efficient infrastructure for applications and workloads following the Well-Architected Framework.



## Machine Learning Assessment

We build continuous integration and delivery pipelines to reduce model management overhead, automate ML workflows to accelerate feature engineering, training, experimentation, and provide model performance monitoring to detect drifts automatically.



**“**We started New Math Data to be able to give our customers and partners the best service possible, to honor our commitment to craftsmanship, and to create a workplace that is rewarding for our colleagues.”

**- Traey Hatch, Co-Founder**

# Expertise

## Data Engineering

With extensive experience in building and implementing high-performance infrastructure, we aim to develop the easiest, fastest, and most efficient solution that answers your business questions and enables faster decision-making.

## AI/Machine Learning

Regardless of whether your organization is just beginning to explore AI/ML or has already started leveraging it in its digital transformation and want to incorporate AI/ML, New Math Data has a dedicated team and proven methodology that can help.

## Databricks

Reliable data engineering and SQL analytics on all your data, production, and machine learning as we partner with Databricks and AWS to deliver expertise and value to your business.



## Working with us is easy!

### A

#### Schedule Kick-Off Call

Use the kick-off call to discuss previous work, goals, and relevant stakeholders' contact details.

### B

#### Audit Existing Work

Take a look at what's already been done — rather than diving straight into starting from scratch — running audits to highlight technical issues or gaps.

### C

#### Project Delivery

We then create the plan for the project work, start executing, and then deliver the first results to you. We continue to work on the project and report ongoing progress until you're satisfied.

### D

#### Project Hand-Over And Feedback

Once everything is ready, we will hand over the project to your team or support the project on an ongoing basis.

# Customer Success Stories

## Inspire Clean Energy: Streamlined Data Processing and ML Ops with Spark

New Math Data (NMD) partnered with Inspire Clean Energy to enhance their development process and scale their workloads. NMD implemented a secure Spark processing platform using Databricks, integrated with Inspire's resources and AWS accounts. They improved Inspire's ML Ops capability, resulting in a 50% reduction in model training time and increased dataset scalability. Read more at <https://newmathdata.com/case-study-inspire-clean-energy>



## Apogee Gardens: Streamlined Cloud-based BI Reporting Solution

Apogee Gardens, a Montana-based dispensary, transformed their inventory management system with NMD's Docker, Python, and AWS Solutions. The implementation included AWS Lambda, S3, OneDrive, Athena, Glue Data Catalog, and PowerBI. By automating reporting and dashboards, Apogee Gardens gained valuable business insights. Challenges with Power BI Gateway and Amazon Athena were resolved using the ODBC connector. Further collaboration opportunities with NMD are being explored. Read more at <https://newmathdata.com/case-study-apogee-gardens>



Learn more about NMD AWS Data solutions



Contact a New Math Data Technologies Expert

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