



## ALGORITHMIA

## Deploy, serve, and manage your machine learning lifecycle

**Challenge: Data scientists spend more time managing infrastructure than building and training models.**

You've collected and cleaned your data, hired a team of data scientists, and trained a portfolio of models. You're ready to deploy your investments at scale, but you spend most of your time on infrastructure tasks. Most organizations get stuck here. Algorithmia can help.

**Solution: A mature machine learning (ML) lifecycle management platform built to scale.**

Realizing the value of your enterprise ML program requires a scalable, flexible, and secure model deployment infrastructure. Let Algorithmia focus on deployment and operational scalability so your data scientists don't have to.

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**Algorithmia enables you to:**



**Connect**

data sources, training solutions, and internal apps.

Algorithmia runs behind your firewall, with pre-built integrations to common data sources and tooling. It also has an extensible API-driven architecture that can connect to almost any application or data store—in the cloud or on-premises.



**Deploy**

any model, function, or algorithm without managing infrastructure and integrations.

Algorithmia automates DevOps for deploying models, functions, and algorithms, regardless of language, framework, or hardware dependencies.



**Scale**

to meet any demand, without exceeding your budget.

Algorithmia is optimized for scaling model inference as serverless microservices. It maximizes the utilization of hardware resources, enables parallel computing, and optimizes GPU efficiency.



**Manage**

and govern your models in production.

Algorithmia lets users manage their ML lifecycles with features such as an organization-wide model portfolio, a model evaluations tool to test performance, and governance capabilities to manage users and their accesses.



Productionizing machine learning models manually was a serious challenge before we found Algorithmia. Algorithmia gave us the tech stack to smoothly deploy and manage our machine learning lifecycle, and their team goes above and beyond to ensure that our efforts are successful.”



**Michael Fischer** | Chief of Innovation, MS&AD (a Toyota-affiliated company)



## The Algorithmia Difference

- **Increase the number of models in production** A Fortune 100 retail customer productionized more than 40 model pipelines in the first 18 months of using Algorithmia and expects to increase that number four to six times in the next 18 months.
- **Close the gap between model training and production** A Fortune 100 financial services customer spent 9 to 18 months productionizing one model. With Algorithmia, it now deploys models in minutes and hours.
- **Decrease the DevOps resources needed to deploy and manage** Cimpres/Vistaprint reduced its DevOps requirements by more than 83 percent with Algorithmia. This freed skilled employees to work on other high-value projects.
- **Remove the internal friction of getting models to market** A Fortune 500 financial services company was able to get its ML program off the ground, taking six models to production in the first four months with Algorithmia.
- **Decrease serving costs** A Fortune 100 retailer estimated that it saves \$1.5 million annually in model serving costs by using Algorithmia instead of running in-house infrastructure. Algorithmia's serverless architecture addressed the retailer's highly variable compute needs, as well as their requirement to run some models on CPUs and others on GPUs.
- **Share and catalog models globally** The United Nations uses Algorithmia to share economic and environmental forecasting models across 193 member states and supporting organizations. This enables statisticians from any country to use state-of-the-art models to improve living conditions.

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Managing cloud server instances and manually deploying models was taking a huge amount of our time. Algorithmia's serverless solution allows us to focus our work on developing our models and helping our businesses integrate them.”

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**Brian Hanechak** | Engineer, Cimpres/Vistaprint

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Deploy, serve, and manage your machine learning lifecycle with Algorithmia.



### Capabilities

Track your model performance:  
scale, share, and pipeline



Improve your ML sophistication:  
secure, govern, version, and test



### Model management

Your entire portfolio of models  
and algorithms in one place



A library of 8,000+ pre-trained  
models and algorithms



### ML infrastructure flexibility

Use the tools and infrastructure  
of your choice



Select your environment—cloud,  
on-prem, or air-gapped

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**Algorithmia is language and framework agnostic. We support the following frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras, Theano, SpaCy, Caffe, MXNet, NLTK, Gensim, Chainer, and more. **We support the following languages:** Python, R, Java, JS, Scala, .Net / C#, Go, Swift, Rust, and more.

## ALGORITHMIA

Deploy, manage, and scale your machine  
learning portfolio with Algorithmia.

**Get more info:** [algorithmia.com/demo](https://algorithmia.com/demo)  
**Connect:** [sales@algorithmia.com](mailto:sales@algorithmia.com)