

The Datatonic Solution to

AI Automation

Accelerate Time to Production with MLOps Best Practices
Deploy Robust Pipelines with Google Cloud + Intel's MLOps Suite

Join Leading Companies



News UK



What Can MLOps Bring To Your Business



Accelerate Time to Production

By building CI-CD processes in your ML models



Reduce Costs

By automating manual steps through triggers, checks and schedules



Reduce Risk of Failure

By building monitoring pipelines tracking your model's health



Improve R&D Planning

By developing pipelines that monitor and forecast model accuracy

Optimize + Automate Your AI Models with Trusted Hands

Datatonic has a proven track record delivering end-to-end ML models, from discovery and pilot stages, through to deployment, monitoring and optimizations.

We partner with leading tech providers, Google Cloud + Intel, to ensure your Machine Learning models are performant, scalable and cost-efficient.

Case Study:



Eliminating In-Store Packaging Through Better Image Recognition

We designed and deployed an end-to-end pipeline for Lush, incorporating model training and evaluation:

+ Improved model performance and data quality (from 45% to 98% F1-Score)

+ Reduced overhead with a fully automated Machine Learning pipeline

+ Cross-platform solution (iOs and Andriod) allowing Lush to fully eliminate in-store packaging!

"We're really pleased to be working with industry experts on Machine Learning, offering our cutomers a useful alternative that elegantly utilizes modern technology." - Head of Technology R&D, Lush

Give Power Back To Your Data Scientists To Deploy Robust Pipelines

Resources, skills and tools are required to make MLOps a success in your business. This is where Google Cloud Platform tools + Intel's processors offer a powerful combination.

Google's core architecture, including BigQuery and Cloud Storage, ensure your models run cost-efficiently. Google's MLOps-specific suite, like TensorFlow Extended and Kubeflow, ensure your models are portable and scalable.

A suite of typical MLOps tools (batch)



AI Platform
ML Pipelines
Serving infrastructure
(batch & online)



TF Extended (TFX)
Productionise TF models with less engineering work needed



Dataflow
Batch data processing



Kubeflow
ML pipelines with reusable component



Cloud Build
CI/CD for model training & serving



Cloud Composer
Scheduler

Scale Your Data + AI Workloads using Intel's Optimization Tools

Intel continuously evolves its processor suite to ensure optimized performance for today's most demanding AI workloads. The latest advances in OpenVino and Xeon have been proven to outperform its peers.

"We are pleased with the research carried out by Datatonic using the Product Classification Computer Vision model. We would consider moving to 2nd Gen Intel Xeon Scalable Processors as the best hardware solution for new applications of our model on Google Cloud." - Tech Research & Development Lead, Lush.



2nd Gen Xeon vs. GPU Nvidia:
+ Up to x11 Cheaper
+ Up to 57% Faster

[Read more here.](#)



OpenVino vs. TensorFlow Serving:
+ Up to x4 more performant, in terms of latency and throughput

[Read more here.](#)

Start Optimizing Your AI Workloads Today.

If you're business needs some convincing on its tech stack, we have a three-week Jumpstart to prove the value of AI Automation:

1. Technical Workshop

Tailored intro to MLOps, specific to your business needs, ML maturity level and key use cases

2. Architecture Review

Audit of your current MLOps architecture and outline of gaps and opportunities

3. Offline Playback

Automation of a key function within an MLOps capability on your data set

What You'll Receive

+ Outline on applying MLOps to your company

+ Re-design and proof of value of your new MLOps architecture



Let's chat!

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