



Machine Learning at scale on AWS

Julien Simon

Principal Technical Evangelist, AI and Machine Learning
Amazon Web Services

@julsimon



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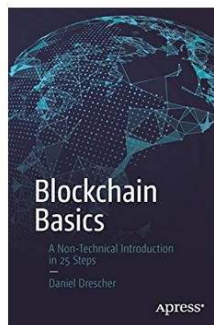
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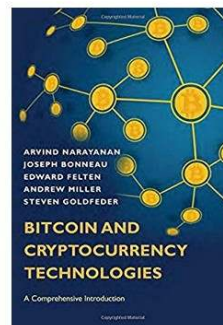
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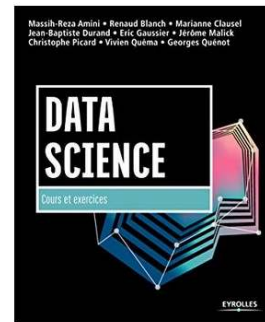
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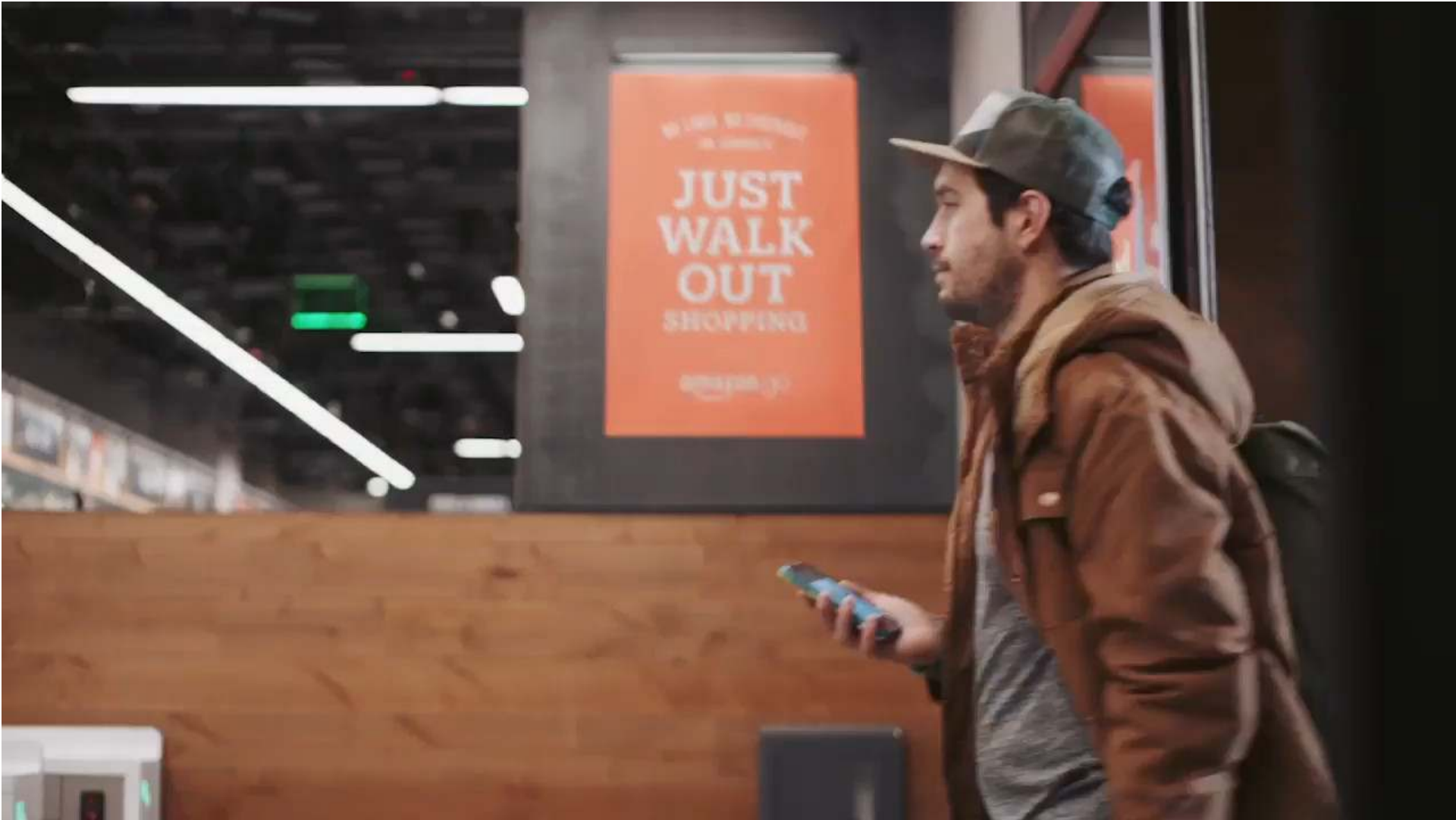
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ML democratized

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PLATFORM SERVICES

**Amazon
SageMaker**

AWS DeepLens

**AWS
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FRAMEWORKS AND INTERFACES

**Deep Learning Amazon Machine
Image**

Apache
MXNet

Caffe2

CNTK

PyTorch

TensorFlow

Theano

Torch

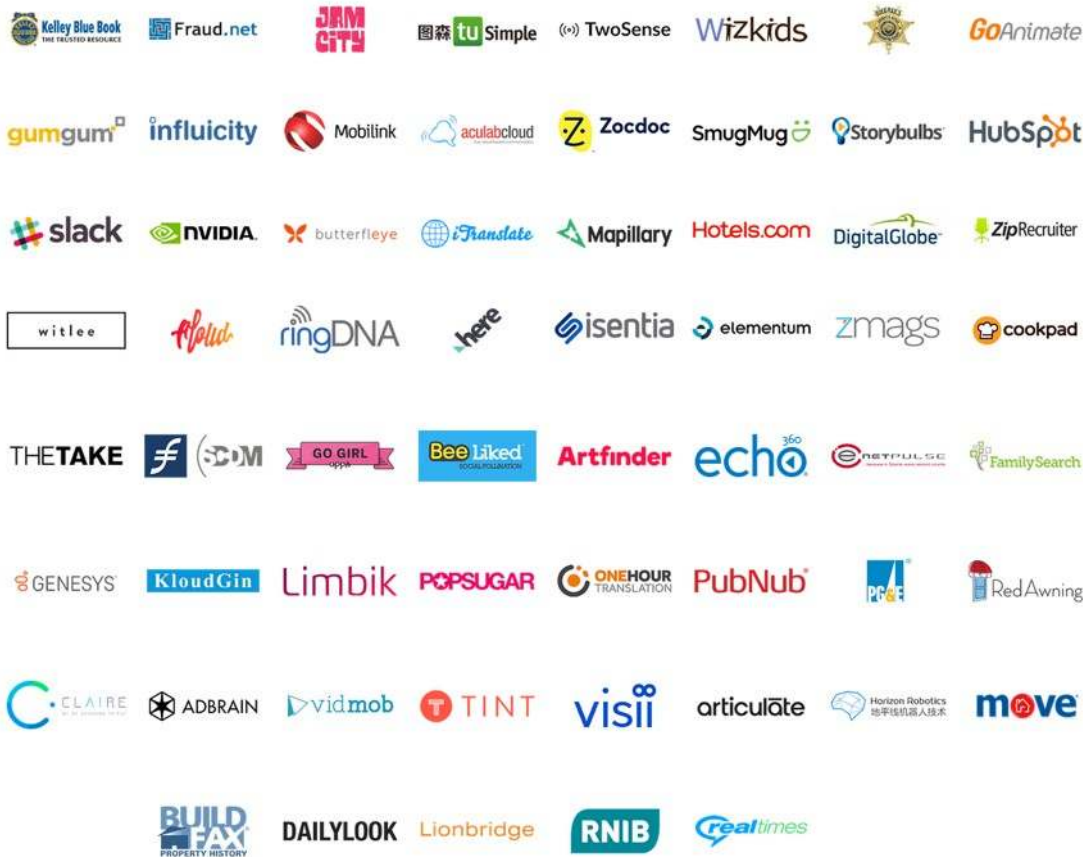
Keras

Gluon

More ML is built on AWS than anywhere else



More ML is built on AWS than anywhere else





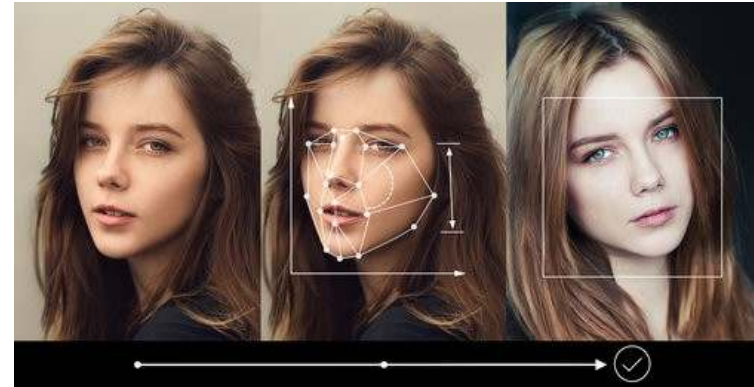
Finding missing persons with Amazon Rekognition

Marinus Analytics provides law enforcement with tools founded in artificial intelligence.

Traffic Jam, is a suite of tools for use by law enforcement agencies on sex trafficking investigations.

Before using **Amazon Rekognition**, their only recourse was manual processing; this was time-intensive or not possible.

Now, investigators are able to take effective action by searching through **millions of records in seconds** to find victims.



<http://www.marinusanalytics.com/articles/2017/10/17/amazon-rekognition-helps-marinus-analytics-fight-human-trafficking>



Improving written text with Amazon SageMaker



“Amazon SageMaker makes it possible for us to develop our TensorFlow models in a distributed training environment. (...)

We can run inference on SageMaker itself, or if we need just the model, we download it from S3 and run inference of our mobile device implementations for iOS and Android customers.”

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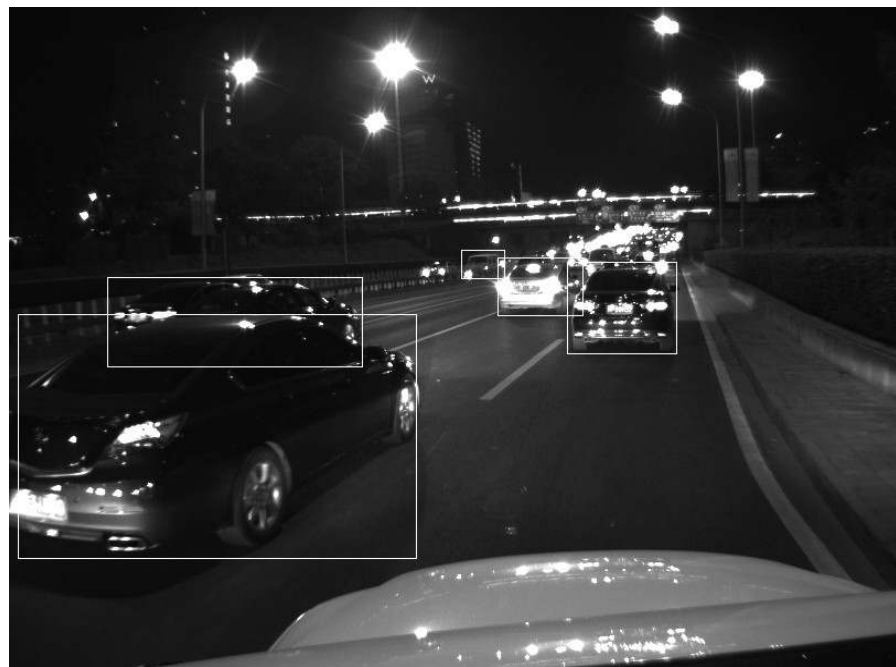
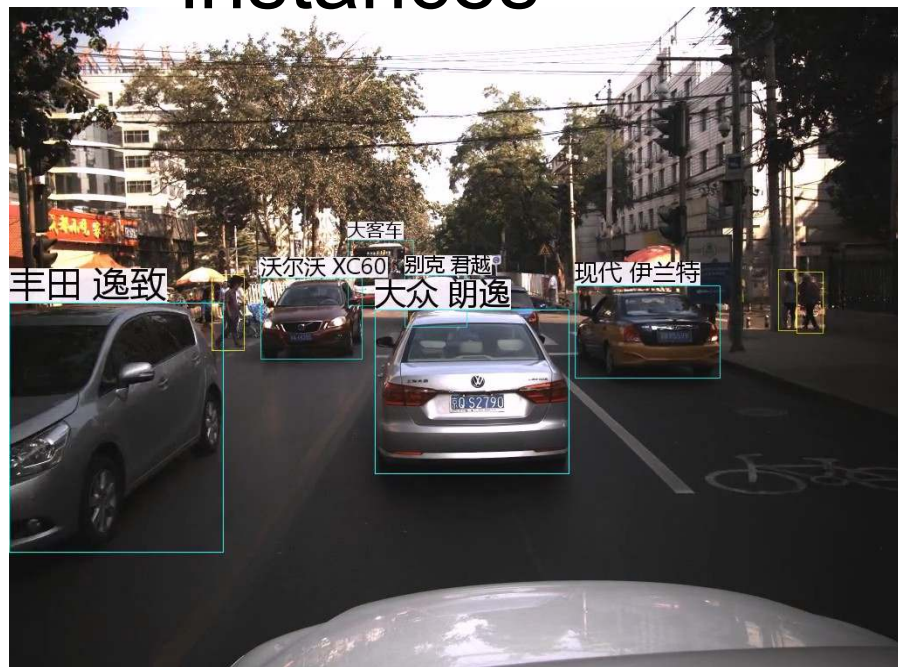
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Julien Simon

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