



Tech Sharing

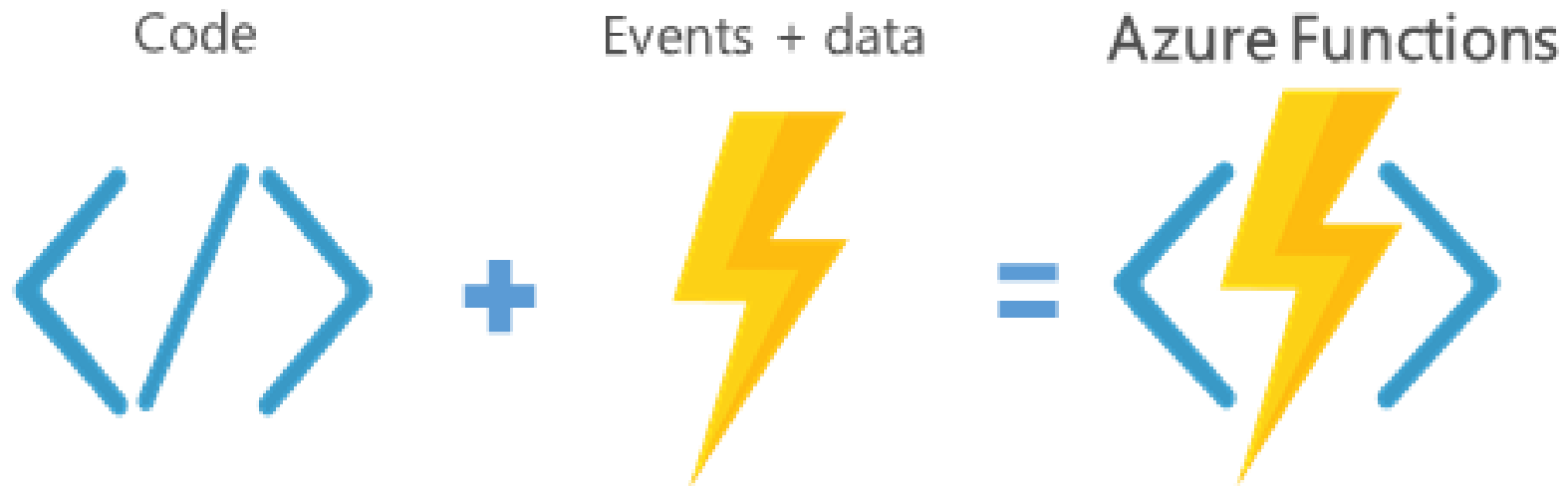
Serverless deployments using Azure functions

By Setu Chokshi, AI MVP, Director of Data Science, PropertyGuru @setuc

#MSTechCommunityAPACOnline



Azure Functions

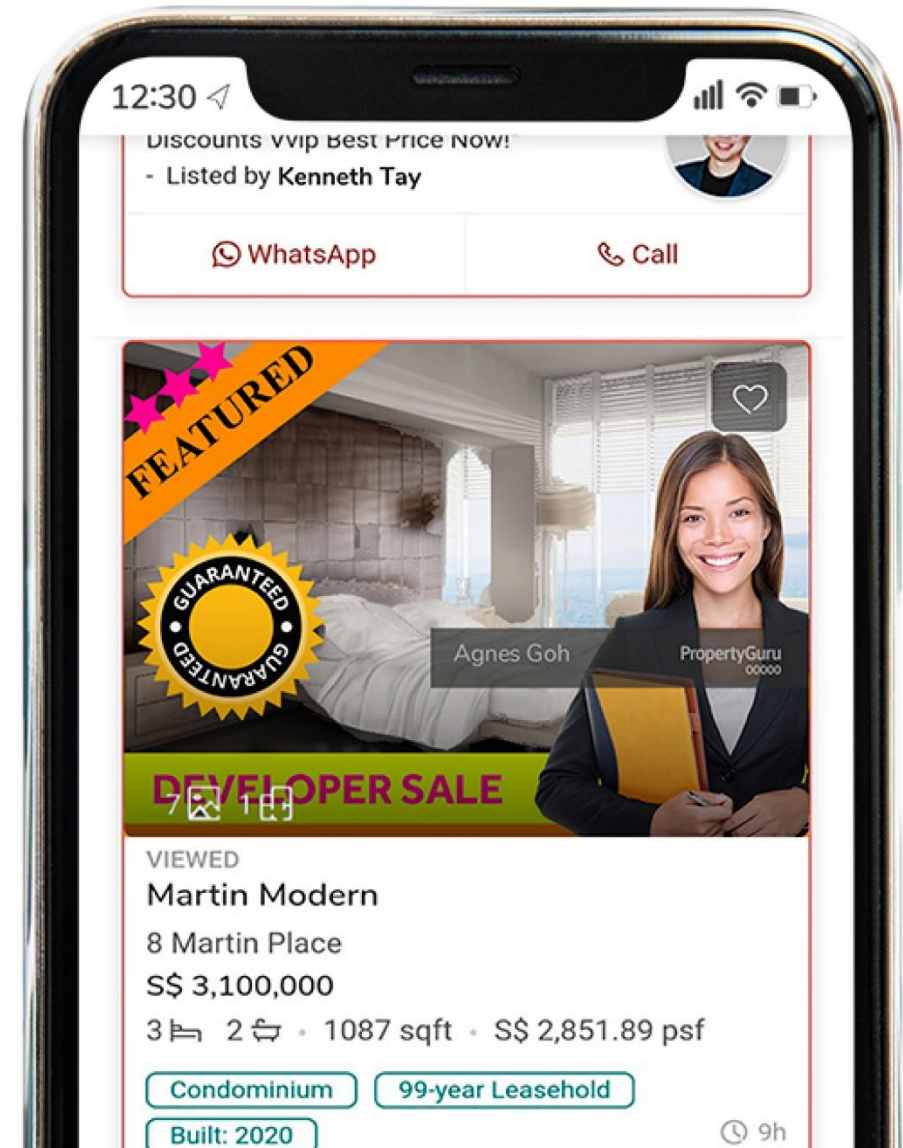


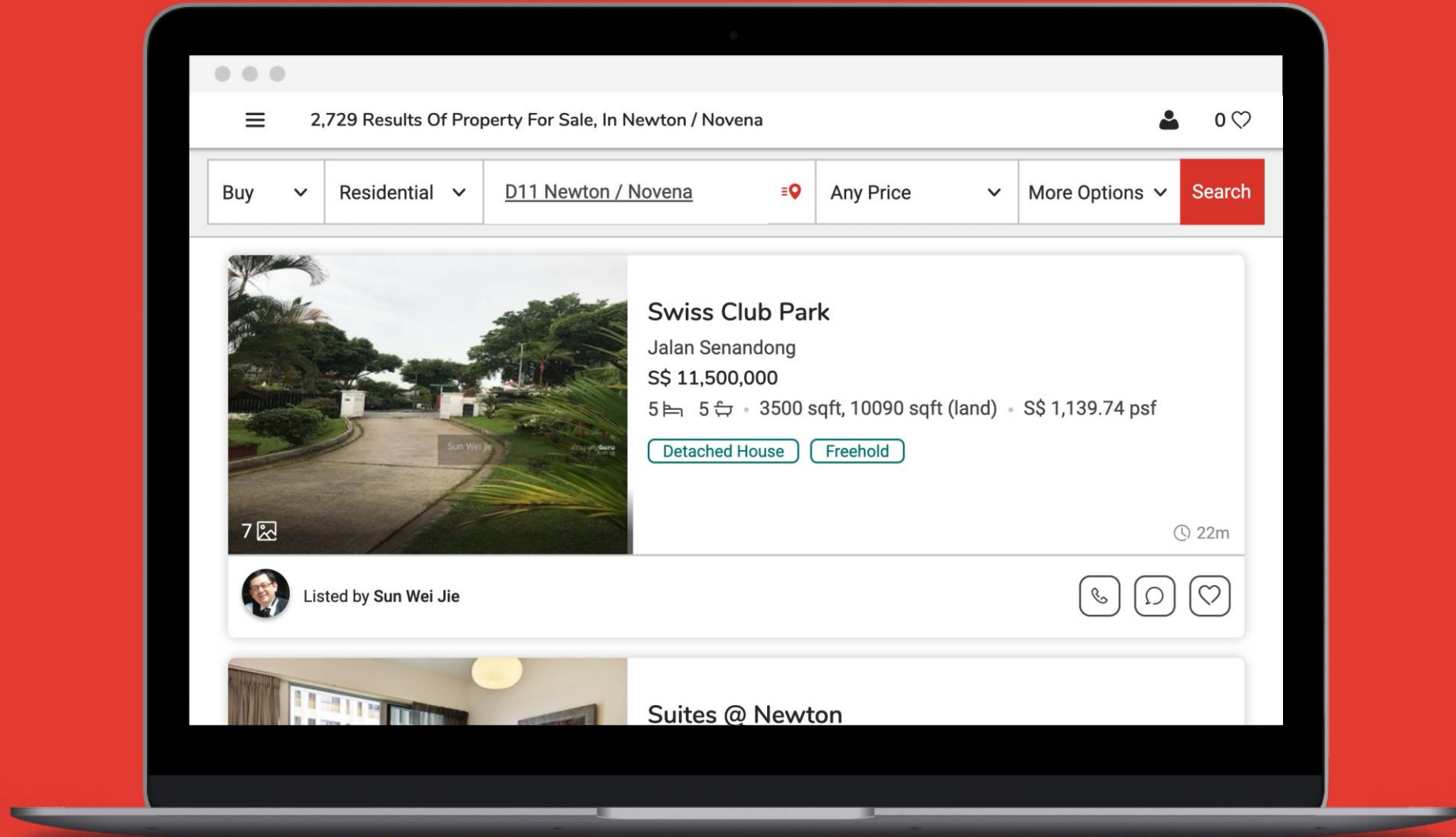
Production-grade
implementation

Improved Experience

Consumers

ML based Quality Photos Guide





Quality Photo Guide



10,000

Images / second

With high throughput concurrency, to moderate the images.

10X

Smaller models

We get to ~150MB of model & code for deployment using distillation

500_{ms}

Evaluation

Smaller models with high accuracy and low latencies.

97%

Lower cost

As compared to deploying the models on the low end GPUs.

From idea to production in 5* mins

* Excluding waiting time 😊

First two minutes – Train on Custom Vision

Create new project

Name*

Birds - Eagles

Description

Classify two different types of eagles

Resource [create new](#)

customvision-pg [50]

[Manage Resource Permissions](#)

Project Types ⓘ

☒ Classification

☐ Object Detection

Classification Types ⓘ

☐ Multilabel (Multiple tags per image)

☒ Multiclass (Single tag per image)

Domains:

☒ General

☐ Food

☐ Landmarks

☐ Retail

☐ General (compact)

☐ Food (compact)

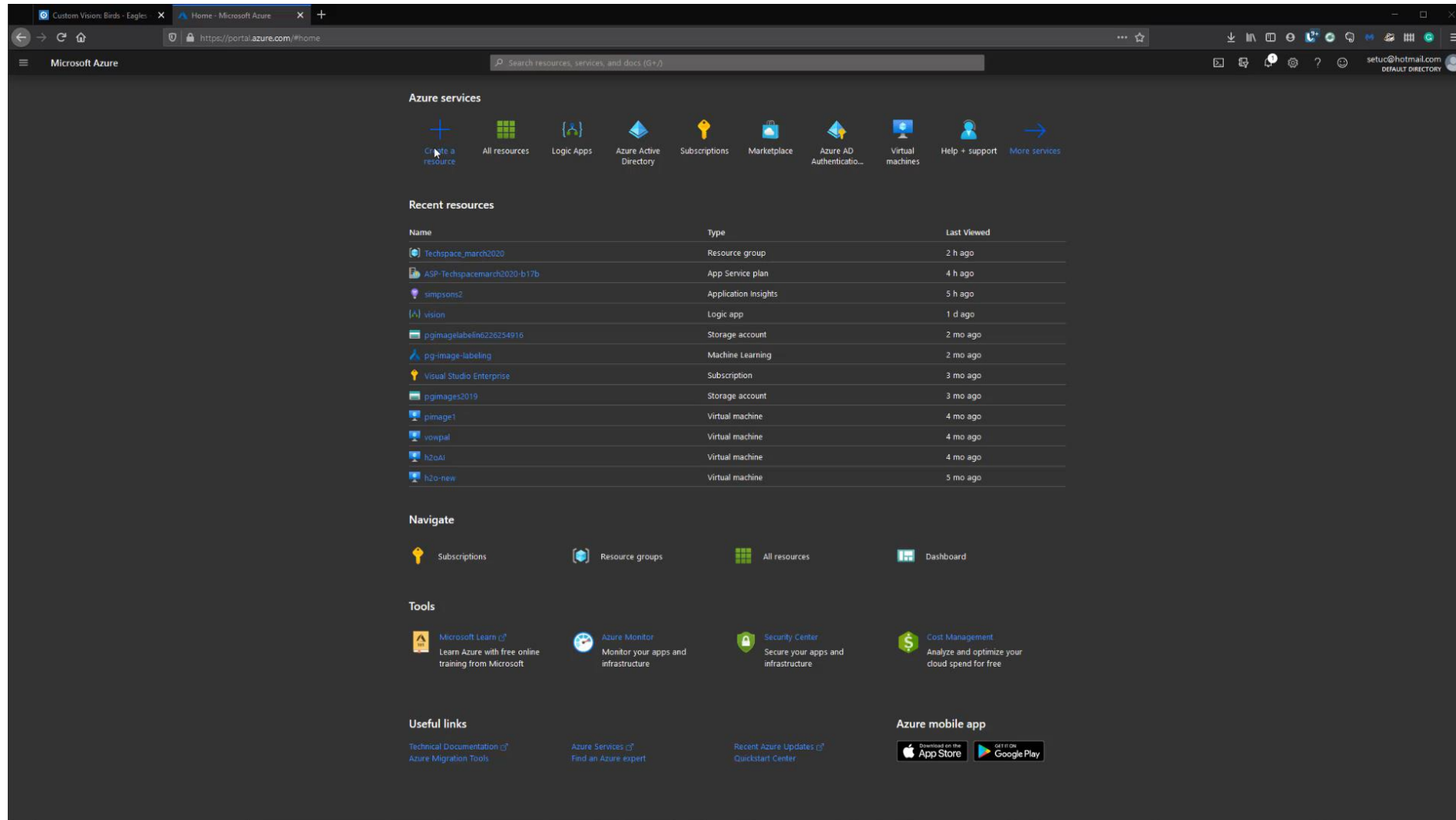
☐ Landmarks (compact)

☐ Retail (compact)

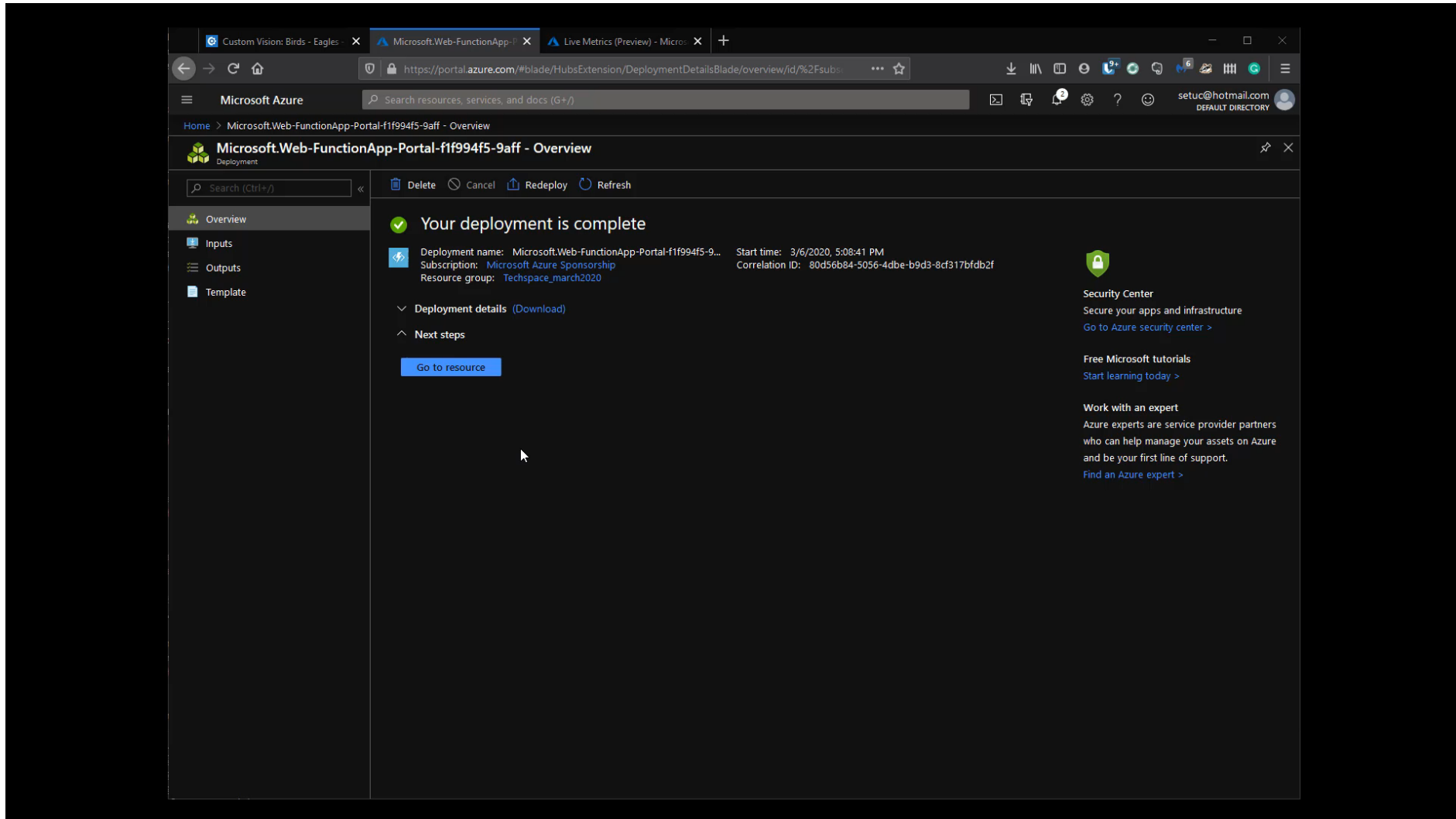
Pick the domain closest to your scenario. Compact domains are lightweight models that can be exported to iOS/Android and other platforms. [Learn More](#)

Cancel Create project

Next two minutes – Setup and Fix code



5th Minute – Get Code & Test



Check for yourself



Join the community



[https://www.meetup.com/
Microsoft-AI-ML-
Community/](https://www.meetup.com/Microsoft-AI-ML-Community/)