# IBM Watson Visual Recognition deep-dive Workshop

Warsaw, June 14th & 15th

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# Who we are...

## I am Franck Descollonges

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## I am Emmanuel Génard

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# Agenda

**Introduction**

**What is Visual Recognition?**

- Challenges and Use Cases

**IBM Watson Visual Recognition**

- Out-of-the-box tooling
- IBM Watson Studio
- *Hands-on-lab:* *Using Visual Recognition defaults models with out-of-the-box tools*

**Building Custom Models**

- Custom Classifiers considerations
- *Hands-on-lab:* *Creating a custom classifier with out-of-the-box tools*

**API, Development Tools and Application Integration Considerations**

- *Hands-on-lab:* *Using Visual Recognition APIs with command line*
- *Hands-on-lab:* *Creating and Retrain Custom Classifiers with APIs*
- Introduction to Node-RED
- *Hands-on-lab:* *Integrate Visual Recognition in your application with Node-RED*
- *Hands-on-lab:* *Create a mobile Visual Recognition application using Cordova (Android or iOS)*
- *Hands-on-lab:* *Create an augmented reality mobile Visual Recognition application using CoreML  (iOS)*

**Conclusion**

- Additional Visual Recognition technologies and extended considerations
- Wrap-up

# Lab instructions available @ http://ibm.biz/WVRAdvance

# Watson Build Challenge 2018 - PartnerWorld

**Use technology credits at no charge**
$7,000 Watson and Cloud services credits to apply to your build

**Work with IBM experts**
Technical consultations, learning resources, and subject matter experts to support your success

**Showcase your solution**
Apply to showcase your solution in front of industry thought leaders at PartnerWorld 2019

## Think

May 21 — July 17

Dream up your AI concept and create a business plan detailing your solution strategy.

To begin, explore our online educational resources to gain the skills you need to build. Need inspiration? Check out the Watson Build 2017 winners who are marketing their AI solutions now.

## Build

August 6 — November 6

You've planned for your solution, now it's time to build it. We will support you with technology credits and technical expertise.

Compete to win! Pitch your solution at local Geography Championships. Seven Geography Champions will advance to the Global Competition.

## Showcase

February 2019

Apply to showcase your solution at IBM's premier partner conference, PartnerWorld 2019.

Get visibility in front of industry thought leaders, press, analysts, IBM Business Partners and IBM executives.

→ **Sign up**

https://www.ibm.com/events/wwe/watson/wbc2018.nsf/nomination.xsp?open

# Useful Links & Resources

## External

**Getting Started:**
Service Homepage
Feature Requests / Suggestions

**Case Studies:**
OmniEarth
Aerialtronics
BlueChasm
iTrend

**Tutorials & Best Practices:**
Training models with Watson Studio
Getting started with Watson + Core ML
Stacking Multiple Custom Models
Create a Calorie Counting App
Watson Visual Recognition & Twilio
Best Practices for Custom Models

**Code Patterns:**
Classify vehicle damage
Analyze industrial equipment for defects
Create an Android calorie-counter app

## External continued

**Books:**
Redbook: Building Cognitive Application using IBM Watson Services vol3 – Watson Visual Recognition

**Blogs:**
IBM Watson on Medium

## Internal

Slack Channel: #ibmvisual-recognition
Service Roadmap
IBMer key limit increase request form
ZACS portal
Digital Sales Play
Content Request & Feedback Form