Quickly Build a Predictive Chatbot With

IBM Cloud





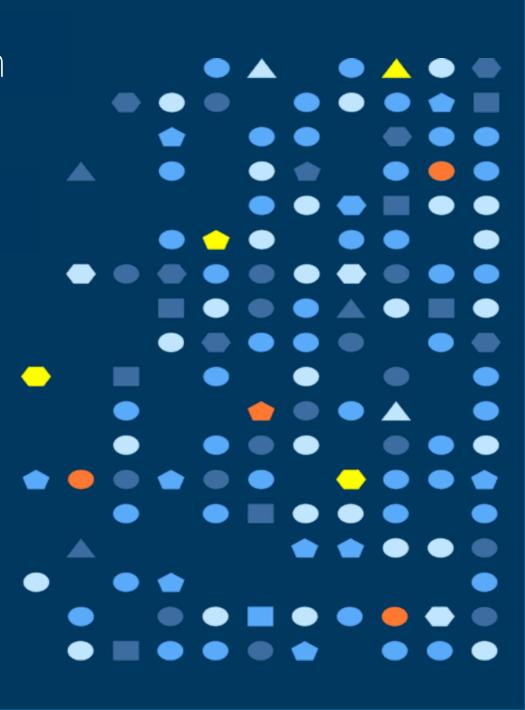






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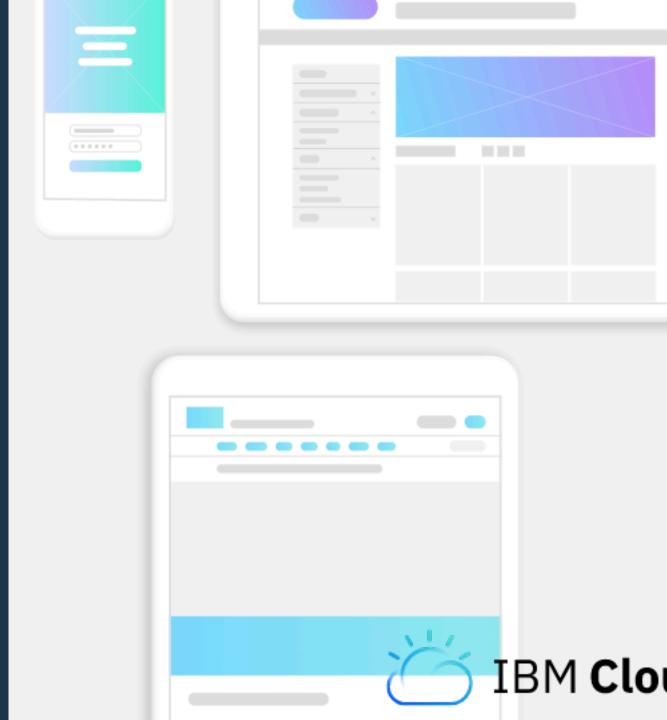


The real value of data is being able to extract meaningful insight, to make more informed decisions, and to create differentiating, predictive business models.



Build on the cognitive platform for business

IBM Cloud enables you to integrate powerful analytics and Al into your applications.



Demo Scenario – Building a Predictive Chatbot



- Fitness Club USA is a national gym chain
- They want to get their members to sign up for more fitness classes (cross-sell opportunity) by offerings personalized recommendations
- They want to enhance customer experience by providing a personalized interface for customers across multiple channels of interaction



Fitness Club USA's new cognitive website...





Hello, I'm your Cognitive Fitness Buddy! I can help pick out the best fitness class for you. Would you like to get started?

Yep!

Great. Let's get started. What fitness goal are you looking to achieve?

I want to lose weight.

Shedding some pounds is a fantastic goal! Enter your phone number and I'll make a personalized recommendation.

415 308 1103

Hello Sam Ennis! Shall I score a Machine Learning model to provide you with a fitness class recommendation?

ok

Here's a fitness class that could be a great fit for you. I can get you started with a 20% off coupon. Would you like to sign up?

Zumba



yes

Awesome. I've signed you up. See you at the first class!

Type something

IBM Cloud Services used to build Fitness Club USA's app

HTTP

(REST)



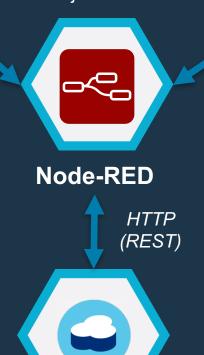


Data Science Experience

Watson Machine Learning

- Create ML models using a variety of tools and frameworks (Python, Spark, SPSS)
- Deploy ML models to RESTful endpoint for scoring
- Continuous monitoring and feedback of ML models in production

Flow-based programming on Node.js runtime



Cloudant

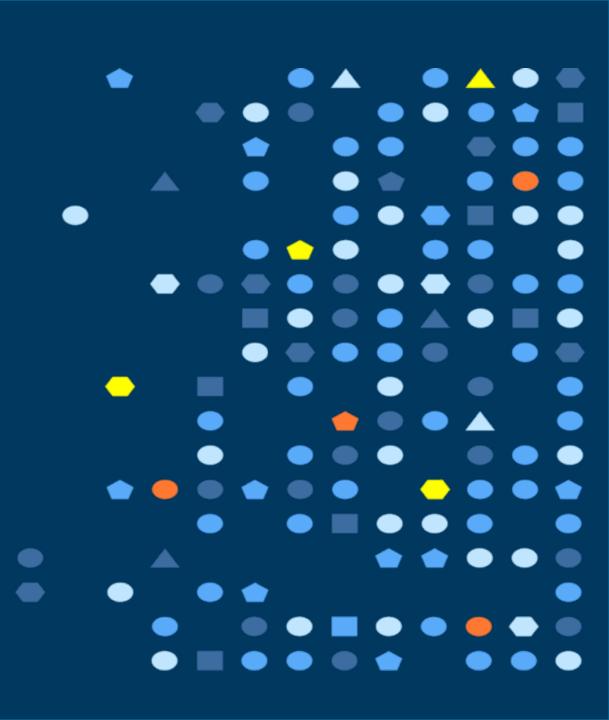
HTTP (REST) Watson Conversation

- API to build a chat bot from the ground up to be used across multiple channels
- Understands natural-language and responds to customers in human-like conversation
- Integrated dialog builder to easily construct dialog flows

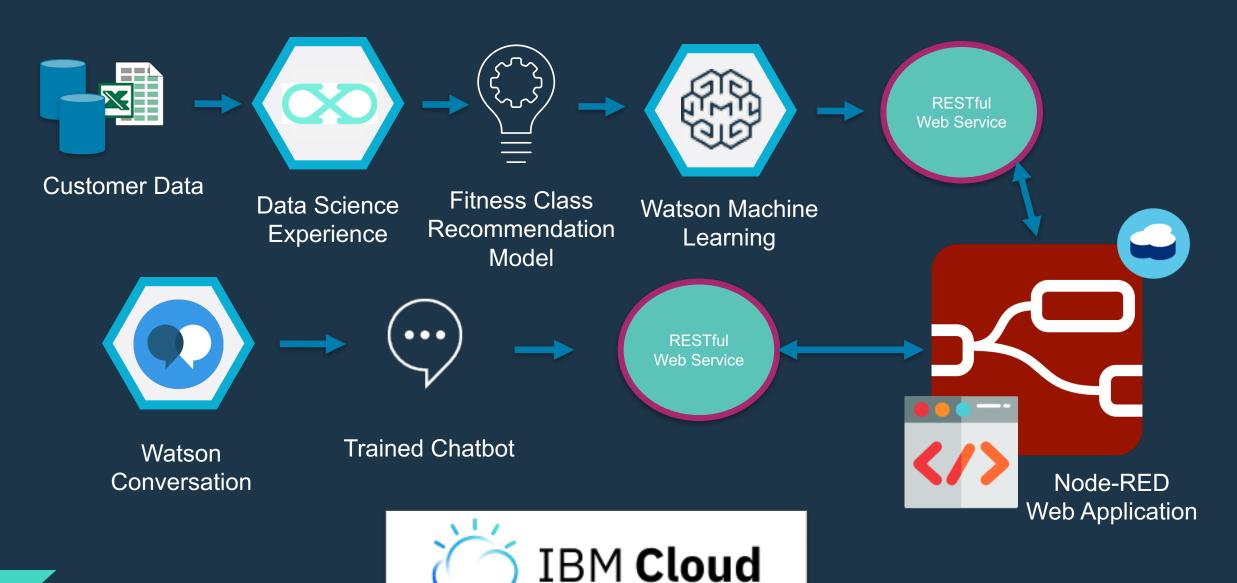
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IBM Cloud Catalog

https://console.bluemix.net/catalog/



Demo Overview - Building a Predictive Chatbot

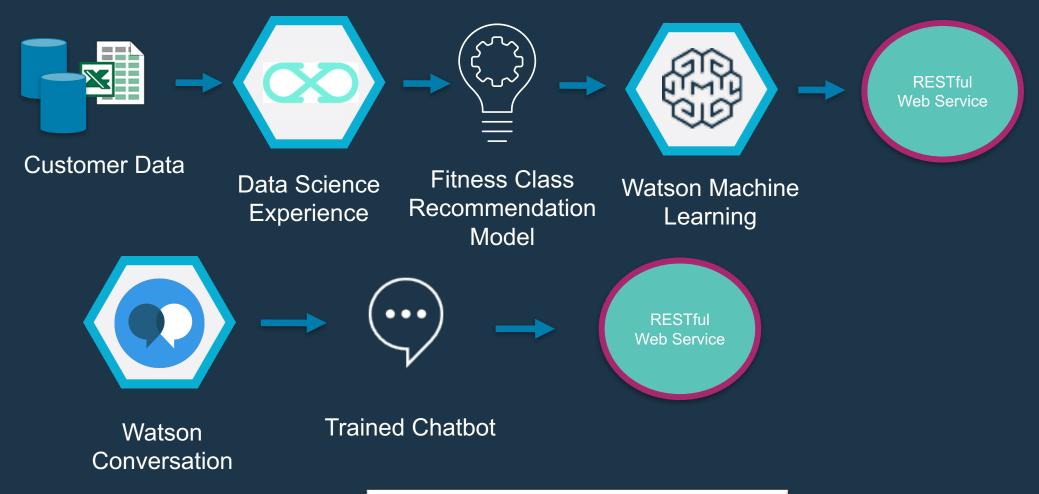


Step #1 – Create & Deploy ML Model



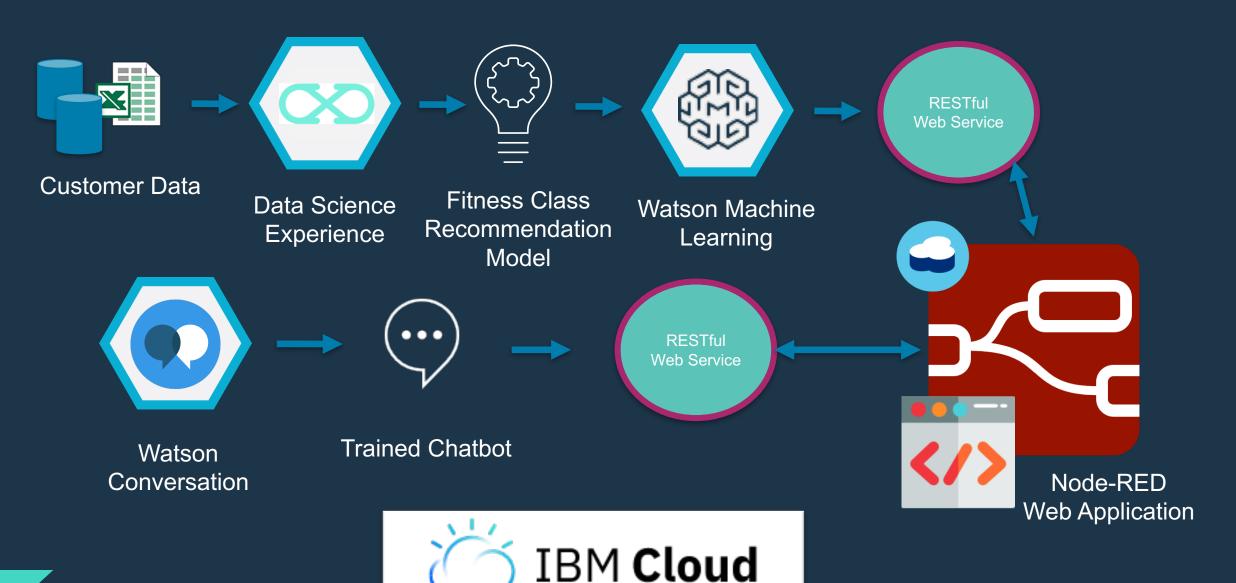


Step #2 – Train Chatbot

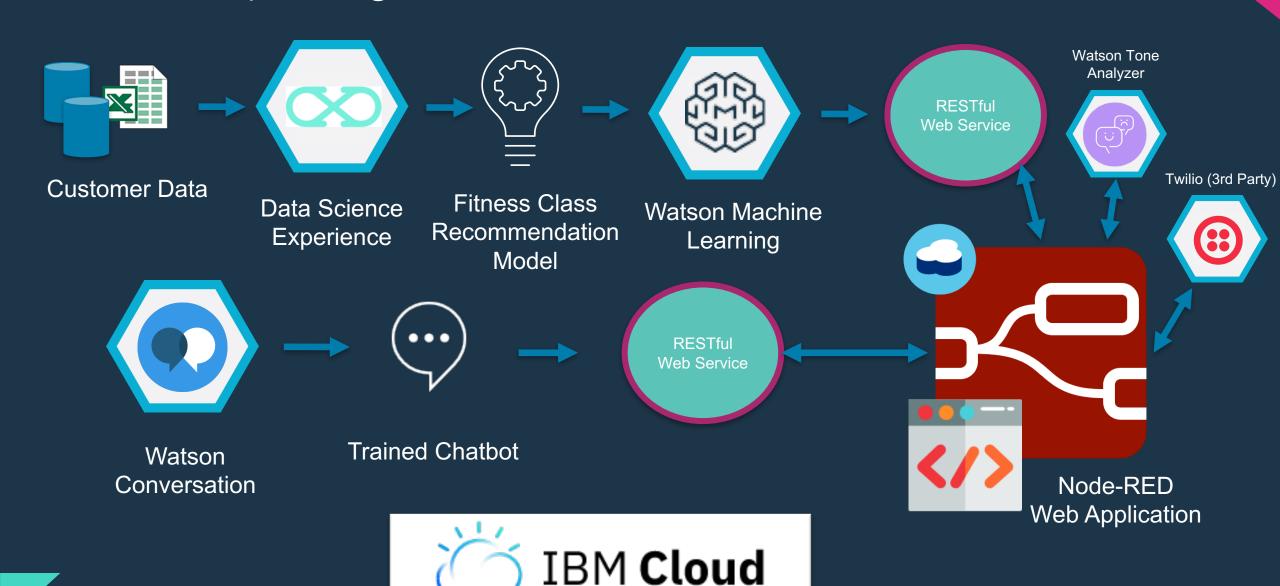


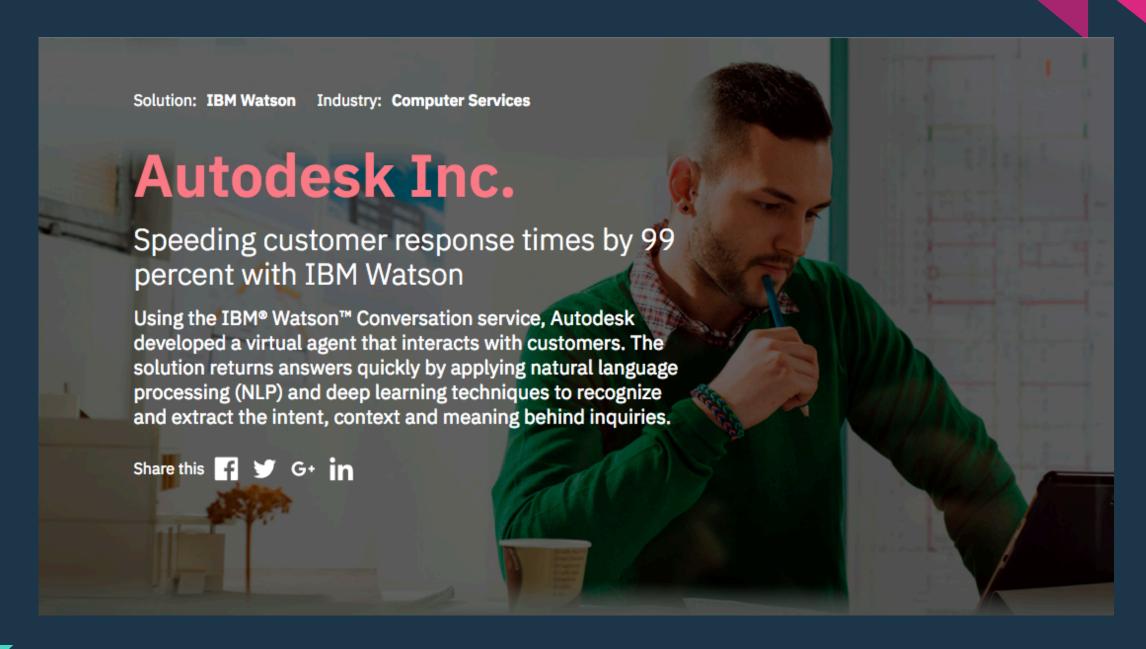


Step #3 – Put it together with Node-RED



Bonus Step – Augment With Additional Services





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with IBM Cloud

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Sign up for IBM Cloud:

https://console.bluemix.net/registration/

Instructions to set up this app yourself:

https://github.com/samcennis/Watson-Conversation-ML-Demo