



Alexa and Friends Voice and Chat using

Microsoft Bot Framework.

Azure Global Bootcamp 2018 Dublin – Damian Flynn MVP

Lumagate / Innofactor – Brightminds

Agenda

Letterpress next level trust fund,
before.

Workshop Overview.

Multi Channel Reception.

Hello Alexa, Google and
Friends.



Conversational Interface.

.NET WEB API Framework



Making Incredible
Technology,
Incredibly Simple!

Detail Slide

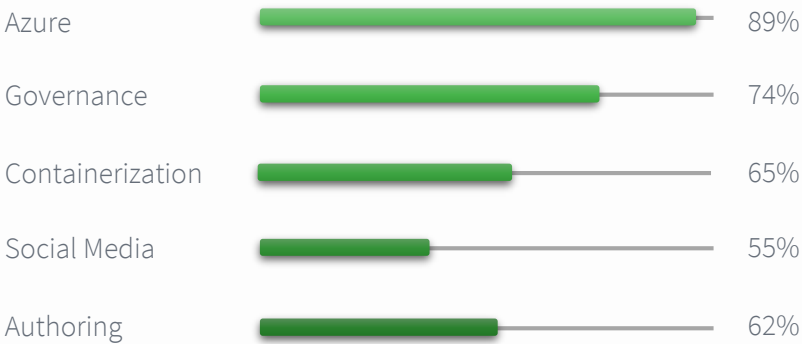
Letterpress next level trust fund, before they sold out +1 meh gluten-free
locavore tacos PBR&B tofu.



Making Incredible Technology, Incredible Simple.

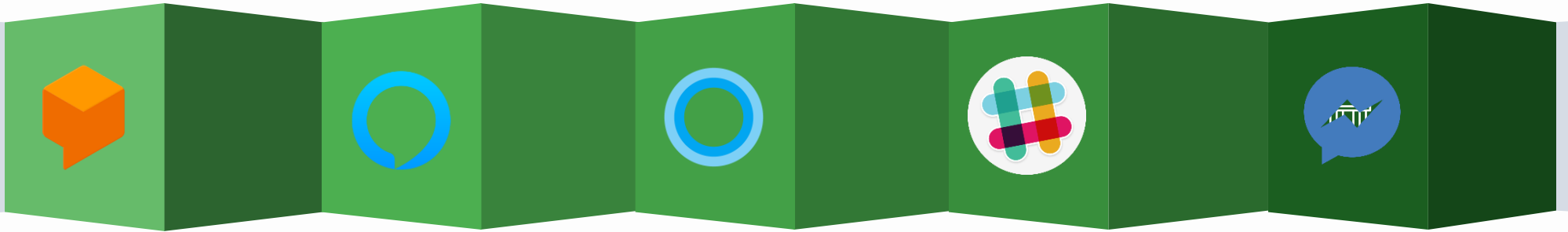
Damian Flynn

Hashtag fashion axe fingerstache, everyday carry shoreditch pinterest
umami authentic brooklyn YOLO heirloom keytar waistcoat kickstarter.



Interface Choices

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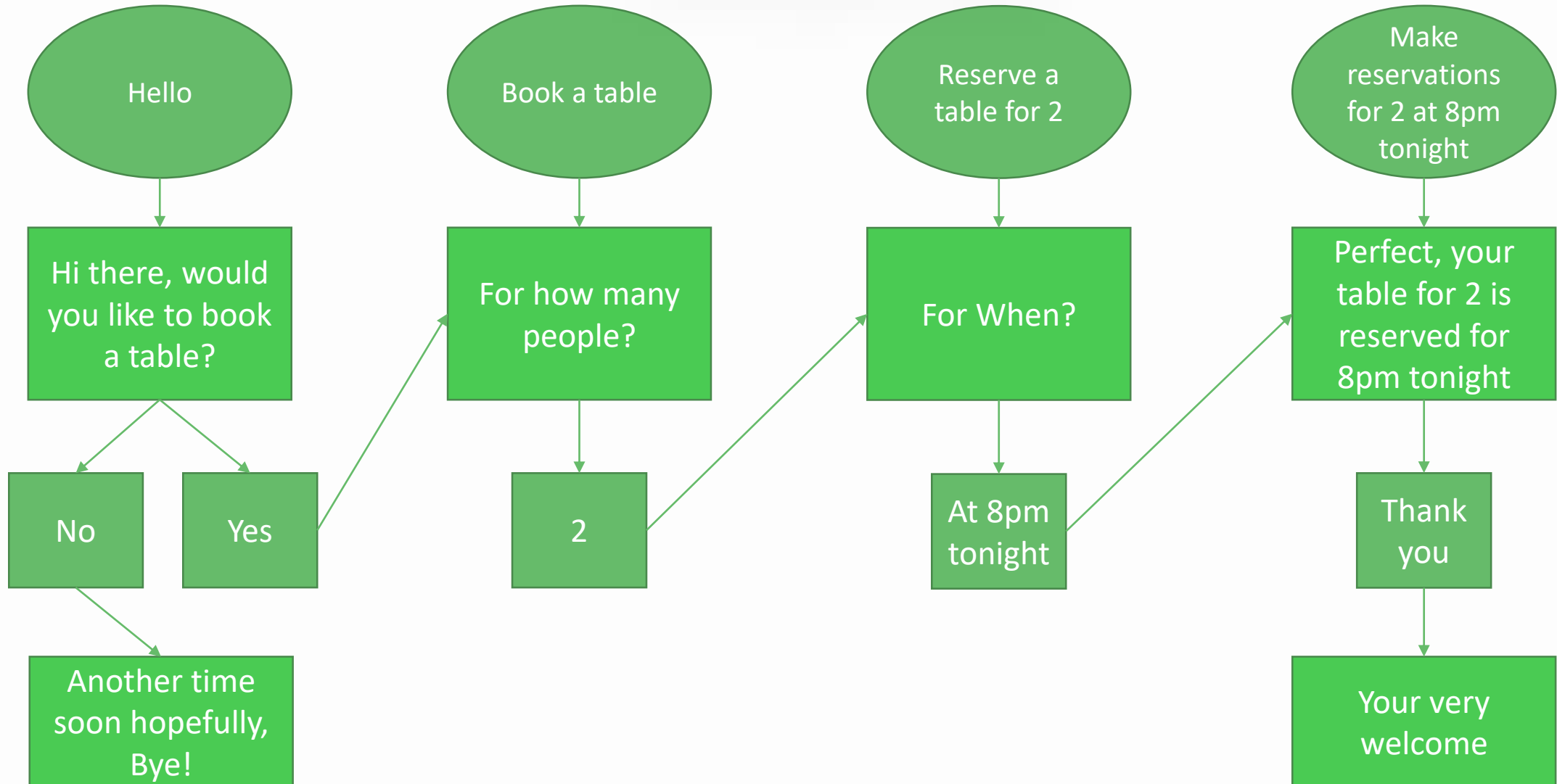


User Data Analysis

messenge

**Supporting
multiple interface
platforms**

Discussion Flow



Accounts

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<https://developer.amazon.com/alexa>

<https://azure.microsoft.com/>

<https://dev.botframework.com/>

<https://www.twilio.com/>

Allocate a Phone Number

<https://slack.com/>

<https://dialogflow.com/>

Dialogflow

Originally referred to as API.AI – Google's Cloud Platform

azBootcampDublinBot

Description: Sample BOT for Workshop

Default Time Zone: (GMT0:00) Africa/Casablanca

Dialogflow

Originally referred to as API.AI – Google's Cloud Platform

Default Welcome Intent

Training phrases

hi
Hello
Hi there
Whats up

Responses

Hi, Would you like to book a table?
Hello! Are you interested in reserving a table?
Good Day! Hungry? Can I Help you make a reservation?
Greetings! I can help you secure a table if you wish?

Dialogflow

Originally referred to as API.AI – Google's Cloud Platform

ReservationsIntent

Training phrases

Book a table
Book a booth
Make reservations
Make dinner reservations
Reserve a table tonight
Need a table for tonight

Responses

Perfect, your table for \$number is reserved for \$time \$date

Actions

Number
Time
Date

How many guests please? For how many people? For what date?
What day is the reservation for?
What time would you like the table for?

Dialogflow

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Export for Alexa

IntentSchema.json

AMAZON.YesIntent

AMAZON.NoIntent

SampleUtterances.txt

Remove utterances matching

Yesintent

Nointent



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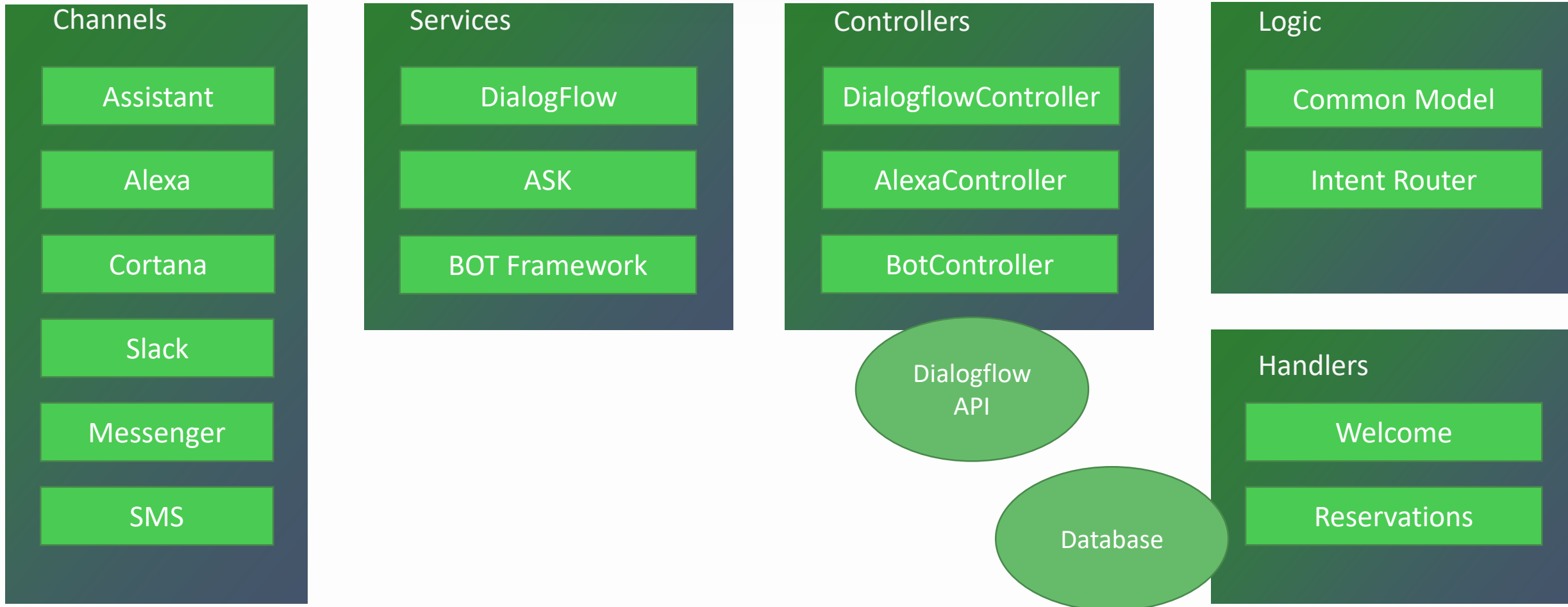
Originally referred to as API.AI – Google's Cloud Platform

- [illegible]



Architecture

Framework for Multi-Service Multi-Channel Voice and Chat



Plumbing

Originally referred to as API.AI – Google's Cloud Platform

<https://docs.microsoft.com/en-us/azure/bot-service/dotnet/bot-builder-dotnet-quickstart>

- Compare Request/Response formats
 - Alexa
 - Bot Framework
- Get Started with Visual Studio
- Setup Bot Framework, Alexa, DialogFlow

Azure Botframework

Originally referred to as API.AI – Google's Cloud Platform

dev.botframework.com

Publish BotFramework

Bot Name: azBootcampDubBot

Subscription: Azure Subscription

Resource Group: BM-azBootcampBot(northeurope)

Location: North Europe

Pricing Tier: S1 (1K)

App name: azBootcampDubBot.azurewebsites.net

Bot template: Basic (C#)

App Service plan/Location: azBootcampDubBotApiPlan

Azure Storage: New

Application Insights: On

Application Insights Location: North Europe

Microsoft App ID and Password: Manual Create

APP ID

APP Password

Botframework and Visual Studio

Originally referred to as API.AI – Google's Cloud Platform

Download Code

Update Web.Config

Configure Dialog Code Sample

emulator.botframework.com

Start the App

Connect the Emulator - <http://localhost:3979/api/messages>

Reset Web Deploy Password

Publish App

Test

Alexa

Originally referred to as API.AI – Google's Cloud Platform

- Add Controller
 - Web API 2 Controller
 - AlexaController
- Alexa SDK
 - <https://www.Github.com/timheuer/alexa-skills-dotnet>
 - Download project, extract content
 - Alexa.NET\Helpers → \Helpers
 - Alexa.NET\Request -> \Models\Alexa\Request
 - Alexa.NET\Response -> \Models\Alexa\Response
- Add Code
- Publish
- Check Get endpoint /api/alexa

Alexa

Originally referred to as API.AI – Google's Cloud Platform

- New Skill
 - Name: Azure Bootcamp
 - Model: Custom
 - Invocation Name: Bootcamp
 - AlexaController
- Alexa SDK
 - <https://www.Github.com/timheuer/alexa-skills-dotnet>
 - Download project, extract content
 - Alexa.NET\Helpers → \Helpers
 - Alexa.NET\Request -> \Models\Alexa\Request
 - Alexa.NET\Response -> \Models\Alexa\Response
- Add Code
- Publish
- Check Get endpoint /api/alexa

Get In Touch

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Thanks For
Watching!
Have a nice day! 😊