PUG
Pune User Group

Lap around Conversational AI using Microsoft Azure Bot & Cognitive Services

Vikram Pendse

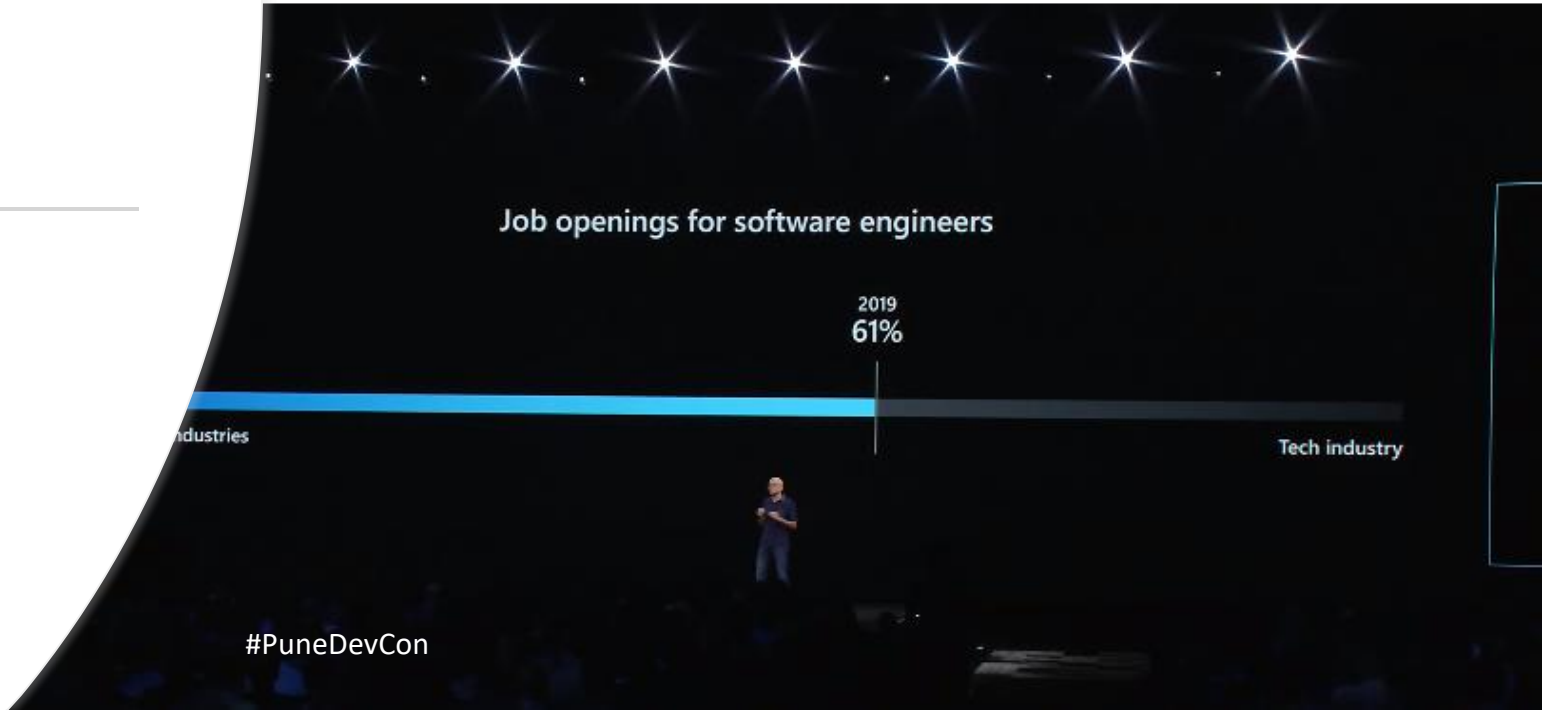
Cloud Solution Architect, Microsoft MVP – Azure

@VikramPendse

Microsoft® MVP Most Valuable Professional

e-Zest

My key takeaways from Microsoft Ignite 2019



Azure Cognitive Services

Deploy and run as a cloud service or anywhere as a container

5B

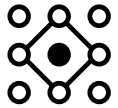
transactions a month

Vision

Speech

Web Search

Language

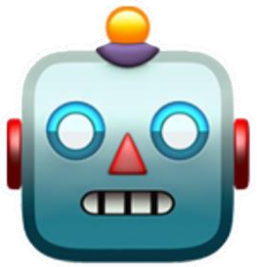


Decision

Microsoft Azure AI Strategy

Cloud

Bringing AI to every application and business process



Azure Cognitive Services

Azure Bot Services

Unlock insights lying latent in your content and make your own data meaningful

Azure Cognitive Search

Build your own ML and deep learning solutions to achieve true Digital Transformation

Azure Machine Learning

Hybrid

Conversational AI Platform

Software as a service, SaaS solutions

To enable out-of-the-box Conversational AI services for key solutions

Teams & Cortana

Power Virtual Agents

Solution accelerators and templates, PaaS

To extend and enable key Conversational AI solutions

Virtual Assistant template

Enterprise Assistant Solution Accelerator

Hospitality Assistant Solution Accelerator

Pre-trained AI, Cognitive Services

To add and customize language, speech, knowledge & vision

Vision

Speech

Language

Decision

Web Search

Managed Bot Service, Azure Bot Service

To accelerate building, management and deployment of conversational AI

Azure Bot Service

Popular open source frameworks, Bot SDK on GitHub

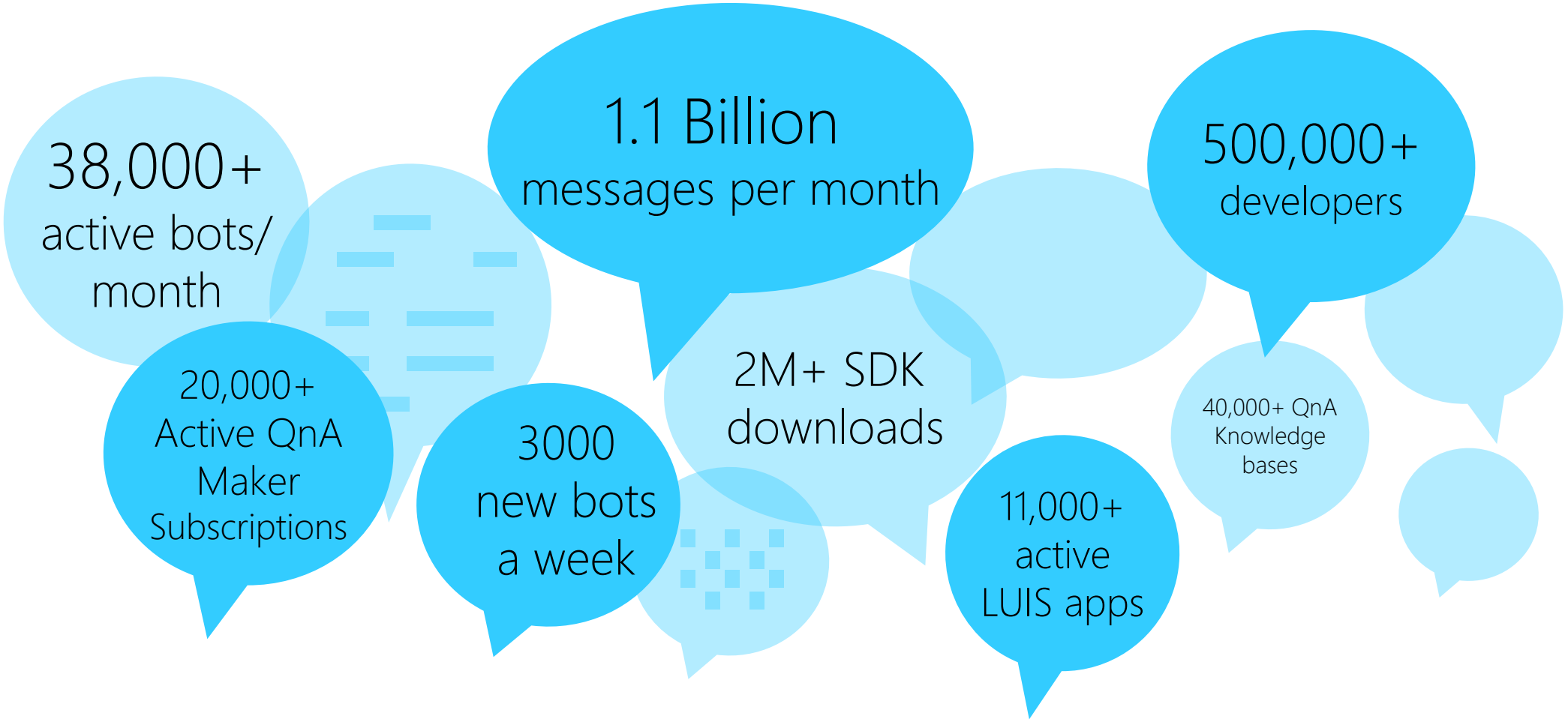
To fully integrate and customize your solution, with any AI technology

Bot Framework

BotKit SDK

From the Intelligent Cloud to the Intelligent Edge

Bot Framework: Momentum



Azure Bot Service – Architecture Scenarios https://azure.microsoft.com/en-in/solutions/architecture/?product=bot-service

Microsoft

QnA Maker

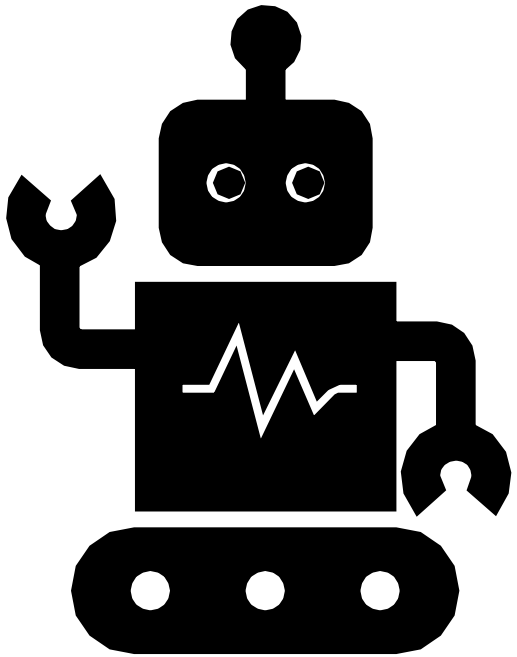
Demo

Power Virtual Agents

Demo

Bot Framework Composer

Demo



Summary

- Bots can be build with Code, Low Code and No Code approach
- Identify your use case and keep bot architecture simple
- Azure Cognitive Services make conversational platform more meaningful and intelligent
- Design and Mind map is the key !

- What's next ? https://innovation.microsoft.com/

Where to go from here?

- Documentation - https://dev.botframework.com/
- Power Virtual Agents– https://powervirtualagents.microsoft.com/en-us/
- Microsoft AI School - https://aischool.microsoft.com/en-us/home
- Slides and Demos - https://github.com/VikramPendse

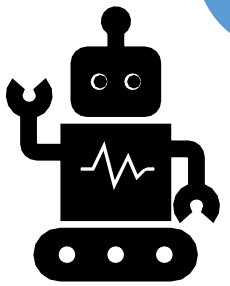
Please evaluate this session

Your feedback is important to us!

Where to give feedback and how do I contact you?

You can connect me

1. Twitter - @VikramPendse
2. Email – vikrampendse@hotmail.com
3. PUG events and Feedback –Feedback Form and mahesh@puneusergroup.org



Thanks !

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I am speaking at Global Azure Bootcamp in April 2020