

Build your Conversational Bot using Azure Bot Framework Composer

Patrick Zhao

AI Hackday [AI Hack Day | Sydney, Brisbane, Melbourne and more](#)

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- Over 6 years experience in FinTech industry
- Successfully delivered a number of data analytics, AI and machine learning solutions
- Enthusiast in AI, big data, machine learning and cloud technology (Azure)

Conversational AI

Popular Bot Frameworks

Agenda

Azure Bot Framework Composer

Demo

Conversational AI

- Set of technologies behind automated messaging and speech-enabled applications that offer human-like interactions between computers and humans
- Communicate like a human by recognizing speech and text, understanding intent, deciphering different languages, and responding in a way that mimics human conversation

Conversational AI Component

- Automated Speech Recognition (ASR)
- Natural Language Processing
 - Utterance processing
 - Intent parsing
 - Context trace
- Dialog management
- State management
- Fulfillment service
 - Response generation
- 3rd party system integration and data management
 - CRM
 - ERP
 - etc

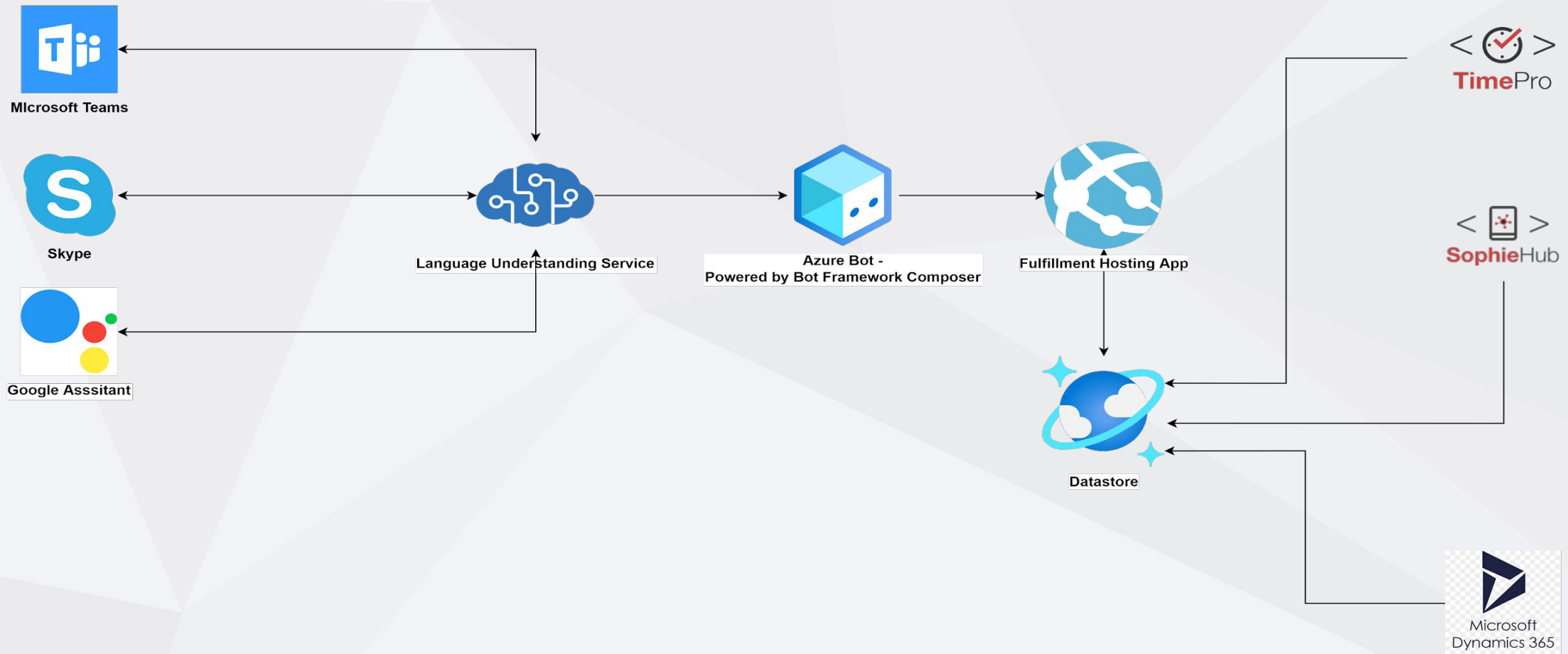
Popular Chatbot Framework

- Microsoft Bot Framework
- Google DialogFlow
- Amazon Lex

Bot Framework Composer

- Built on Bot Framework SDK
- One stop IDE
- Open source
- Includes
 - Language understanding models - integrate with LUIS
 - Dialog design and management
 - QnA knowledge base
 - Language generation responses - fulfillment

Chatbot Architecture Diagram



Summary

Conversational AI

Popular Bot Frameworks

Azure Bot Framework Composer

Demo



Thank you!

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