

Project Design Phase- II Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID31808
Project Name	Customer care registry
Maximum Marks	4 Marks

Technical Architecture:

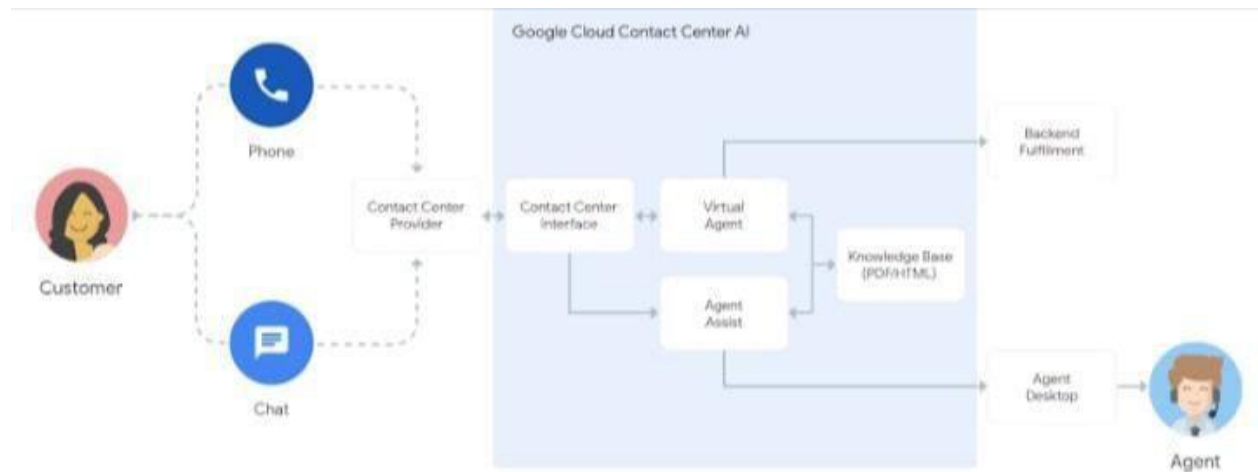


Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. WebUI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / AngularJs/ReactJs etc.
2.	Application Logic-1	Logic for a process in the application	Java/Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configuration etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
9.	External API-2	Purpose of External API used in the application	Aadhar API, etc.

10	MachineLearningModel	PurposeofMachineLearningModel	ObjectRecognitionModel, etc.
11	Infrastructure(Server/Cloud)	ApplicationDeploymentonLocalSystem/ Cloud Local Server Configuration:CloudServerConfi guration:	Local,CloudFoundry, Kubernetes,etc.

Table-2:ApplicationCharacteristics:

S.No	Characteristics	Description	Technology
1.	Open-SourceFrameworks	Listtheopen-sourceframeworksused	TechnologyofOpenSource framework
2.	SecurityImplementations	Listallthesecurity/accesscontrols implemented,useoffirewallsetc.	e.g.SHA-256,Encryptions, IAMControls,OWASPetc.
3.	ScalableArchitecture	Justifythescalabilityofarchitecture(3 –tier, Micro-services)	Technologyused
4.	Availability	Justify the availability of applications(e.g.useofloadbalancers,dis tributedserversetc.)	Technologyused
5.	Performance	Designconsiderationforthe performance of the application(numberofrequestsperec, useofCache,useofCDN's)etc.	Technologyused