

Project Design Phase-II

Technology Stack (Architecture & Stack)

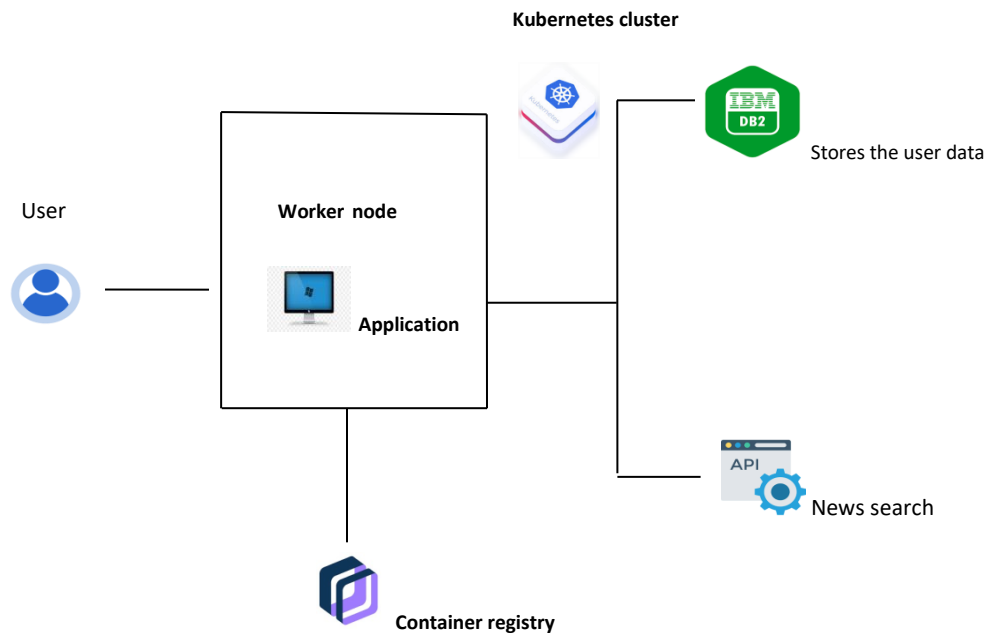


Table-1 : Components & Technologies:

S.NO	Component	Description	Technology
1.	User interface	How user interacts with Application	HTML, CSS, JavaScript
2.	Application logic-1	Logic for a process in the application	Python
3.	Application logic-2	Logic for a process in the application	IBM Watson Assistant
4.	Database	Data type, configuration	My SQL
5.	Cloud database	Database service on cloud	IBM database
6.	External API-1	Purpose of external API used in the application	Rapid API
7.	Infrastructure(server/cloud)	Application deployment on local system/cloud	Local. Cloud foundry, kubernetes, etc

Table-2 : Application Characteristics:

S.NO	Characteristics	Description	Technology
1.	Open-source frameworks	List the open-source frameworks used	Flask
2.	Security implementations	List all the security/ access controls implemented, use of firewalls	Encryption, IAM Controls, OWASP
3.	Scalable architecture	Justify the scalability of architecture (3-tier,micro-services)	Kubernetes
4.	Availability	Justify the availability of application	IBM cloud