AEROTHON 4.0

NATIONAL LEVEL HACKATHON ORGANIZED BY AIRBUS

TEAM NAME : QUEST CODERS

Alan Alby
Anil Anand
Cijo Manuel
Smitha John

PROBLEM STATEMENT- FINAL STAGE

To create a web application that lets you build native apps using a cross-platform UI toolkit that targets the mobile, web and desktop form factors on Android, iOS, macOS, Windows.

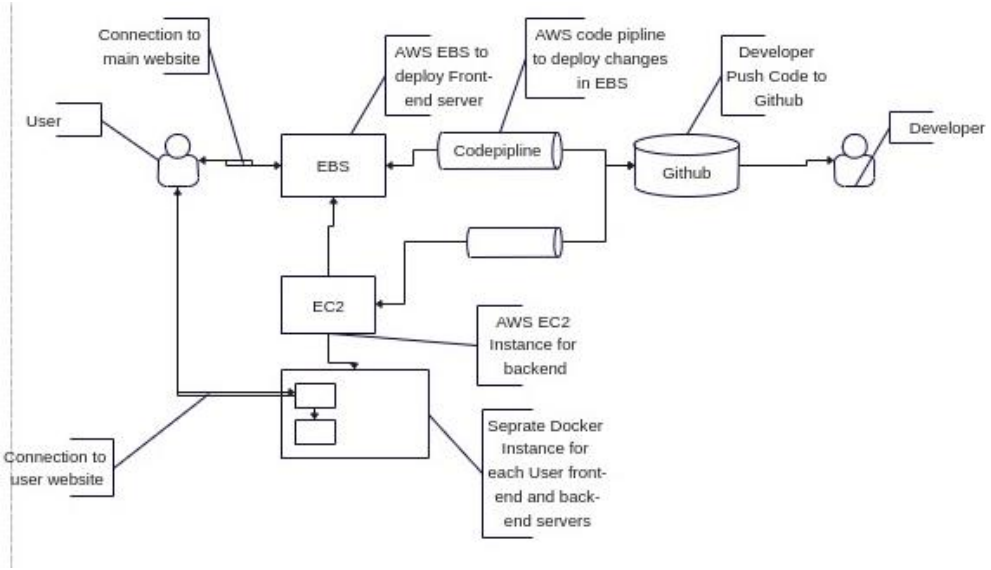
AEROTHON4.0

A web application that lets you build native applications that targets the mobile, web and desktop.

SOLUTION

Our solution focuses on creating web and mobile applications for the user. The frontend is hosted on AWS Elastic Beanstalk. The new applications created are dockerized and links are provided such that it can be viewed directly by the user. We provide specific website templates from which the user can select. There are options to create AR application and IOT device frontends. Our website also has a chatbot that replies to your queries.

ARCHITECTURE DIAGRAM



TECHSTACK USED

REACT JS	PYTHON-FLASK	AWS
FRONTEND	BACKEND	CLOUD HOSTING

DOCKER	ELASTIC BEANSTALK, EC2	AWS CodePipeline
CONTAINERIZATION	DEPLOYMENT	PIPELINE

UNIQUE FEATURES

- We offer user the option to select from given templates for website creation. These website templates can be used to customise website based on user preference.
- After selecting template for website, the user is given a URL along with option to download the code. The feature allows the user to view the app that was made with the required frontend, backend and template.
- The created web apps offer multilingual features which include the custom language English along with Hindi , Chinese and Spanish.
- Docker is used to containerize and scale each newly created app.
- The code is hosted on AWS Elastic Beanstalk for quick deployment of apps.
- There is an added feature of AR application.
- Website to connect and use IOT device is also added as a template.

WORKING PROTOTYPE

LINKS & REFERENCES

Cloud

App-Frontend

App-Backend

End-to-end-Recording

THANK YOU