



AIRBUS

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4.0

Bit-by-Bit Team



# The Team – Bit by bit

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# PROBLEM STATEMENT

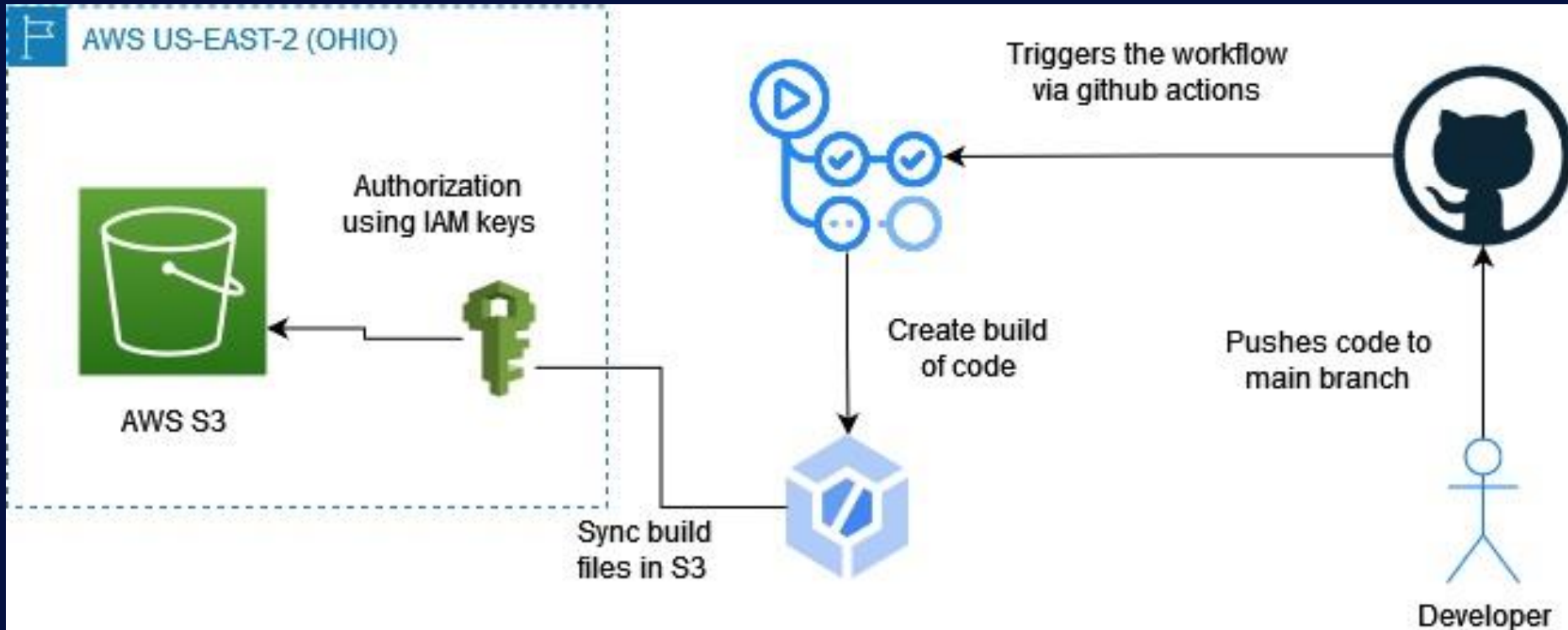
*Create a web application that lets you build native apps using a cross-platform UI toolkit that targets the mobile, web and desktop form factors on Android, iOS, macOS, Windows.*



# SOLUTION

- We have developed a web portal which provides variety of latest framework's boilerplates which are easy to set-up and start with your development without worrying about initial setup.
- We have covered all cross platform frameworks which includes web (frontend, backend), mobile(android, iOS), desktop(windows, macOS, linux) with trending frameworks.
- For it's framework we have provided proper step to step guide to setup development environment easily. Also we have provided github repository link for each framework's boilerplate so that anyone can contribute and help to build better solution.

# Architecture of solution





# Stack Details

## FRONT END AND OTHER STACKS DETAILS

Each front end and other stacks are utilizing backend APIs. Each stacks has below screens:

Screen	Endpoint utilizing	Description
Home	/ /detail	It displays basic info. Also fetches the status and tech stack from the backend and displays on the homepage.
About	NA	It shows basic details about the team.
Members	/members /addmember	It demonstrates a post method example with members apis. It fetches a list of members and displays them. Also provide options to add members and update lists in addition to members.



# Stack Details

## BACK END STACKS DETAILS

Each back end stack had four APIs are as follows:

Type	Endpoint	Description	Request Data	Response Data
GET	/	Gets the running status backend. Expects 200 status code.	NA	{ Status: "Running" }
GET	/detail	Gets the technology stack on which the backend is running.	NA	{ Stack: "Technology Stack" }
GET	/members	Get the list of members. (List of members are stored in temporary variable)	NA	{ Members: ["List", "of", "Members"] }
POST	/addmember	Add new members to the temporary list of members.	{ newmember: "Value" }	{ Members: ["Updated", "list", "of", "Members"] }



# IMPORTANT LINKS

Title	Link
Portal	<a href="http://aerathon.bitbybit.s3-website.us-east-2.amazonaws.com/">http://aerathon.bitbybit.s3-website.us-east-2.amazonaws.com/</a>
Source Code	<a href="https://github.com/Prathm98/airbusaerathon">https://github.com/Prathm98/airbusaerathon</a>
Video	<a href="http://aerathon.bitbybit.s3-website.us-east-2.amazonaws.com/demo.mp4">http://aerathon.bitbybit.s3-website.us-east-2.amazonaws.com/demo.mp4</a>
Presentation	<a href="http://aerathon.bitbybit.s3-website.us-east-2.amazonaws.com/bitbybit.pdf">http://aerathon.bitbybit.s3-website.us-east-2.amazonaws.com/bitbybit.pdf</a>





Thank  
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