AWS Cloud Bootcamp Week 0 Notes

Notes

* Ephemeral-first micro-blogging platform
* Fractional CTO
* Partly developed app – keep or rebuild?
* How to monetize
* Frontend = Javascript using React
* Back application = Python using Flask
* API only
* Be careful of budget
* User content (upload)
* Users - College students, Younger students, professionals
  + User validation?
  + Age limit?
* AWS
  + What Services? Containers?
  + Set up budget monitoring
* User engagement
* Technical report due for investors!
  + Architecture
  + Budget
  + Ongoing cost estimate

Architecture Week #0

**What is Good Architecture?**

**Meets Requirements:**

Things the project **MUST** achieve

Can be technical or business oriented

**Requirements must be:**

* Verifiable
* Monitorable
* Traceable
* **Feasible**

Examples:

* Meets ISO standards
* 99.9% uptime
* User can do specific task

**Risks, Assumptions, and Constraints**

Risks can prevent the project from being successful

* Single Point of Failure (SPoFs)
* User Commitment
* Late Delivery

Assumptions are factors held as true for the planning and implementation phases

* Sufficient network bandwidth
* Stateholders will be available to make decisions
* Budget is approved

Constraints are policy or technical limitations for the project

* Time
* Budget
* Vendor Selection

**For this project:**

1. Building On AWS
2. Free Tier ($0)
3. 14 Weeks (+?)

From gathering the RRACs, you then create your designs:

Conceptual Design:

Logical Design:

Physical Design: