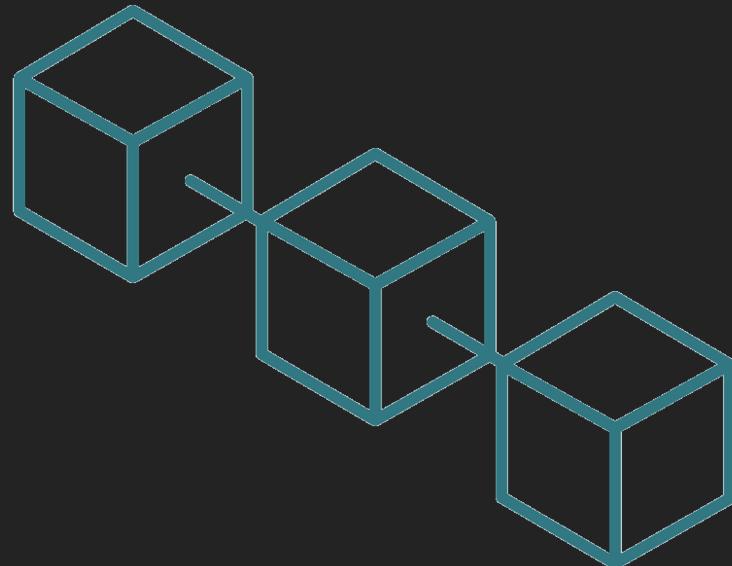


# BLOCKCHAIN BOT

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# WHAT IS BLOCKCHAIN?

- Blockchain is a distributed, decentralized, public ledger. "Blocks" on the blockchain are made up of digital pieces of information.
  1. Blocks store information about transactions like the date, time, and dollar amount of your purchase.
  2. Blocks store information about who is participating in transactions. (E.g. A block for your purchase from Amazon would record your name along with Amazon.com, Inc.)
  3. Blocks store information that distinguishes them from other blocks. Each block stores a unique code called a "hash" that allows us to tell it apart from every other block. Hashes are cryptographic codes created by special algorithms.



# WEB 3 & SMART CONTRACTS



## Web 3.0

- Will let you control your data.
- Will be essentially decentralized.
- Will still be monetizable.
- Should be essentially unbreakable.
- Will be a consortium of different technologies merged through blockchain.

## Smart Contracts

- A self-executing contract with the terms of the agreement between buyer and seller being directly written into lines of code.
- The code and the agreements contained therein exist across a distributed, decentralized blockchain network.
- The code controls the execution, and transactions are trackable and irreversible.
- Smart contracts permit trusted transactions and agreements to be carried out among anonymous parties without the need for a central authority, legal system, or external enforcement mechanism.

# INFURA & USER INPUTS

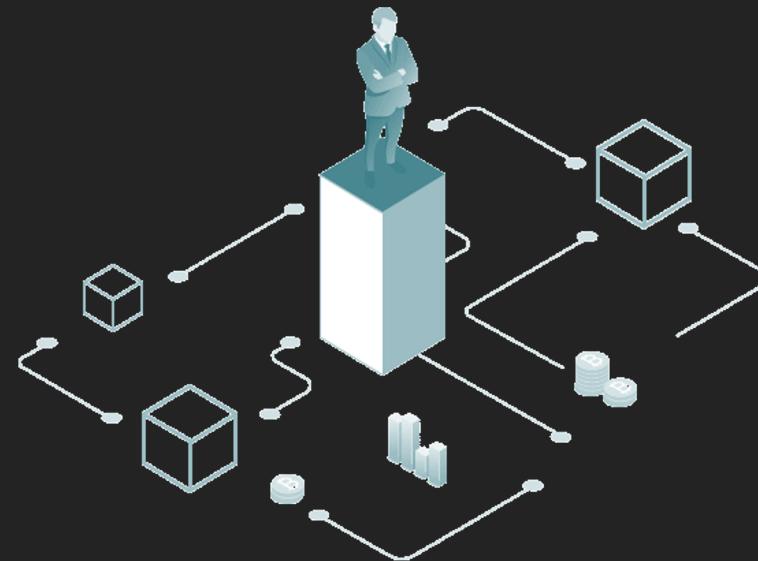
- For this bot we will be using **Infura: Ethereum API**.
- Lets us run the application without requiring them to set up their own Ethereum node or wallet.
- Able to connect to Ethereum and IPFS via HTTPS and WebSocket.

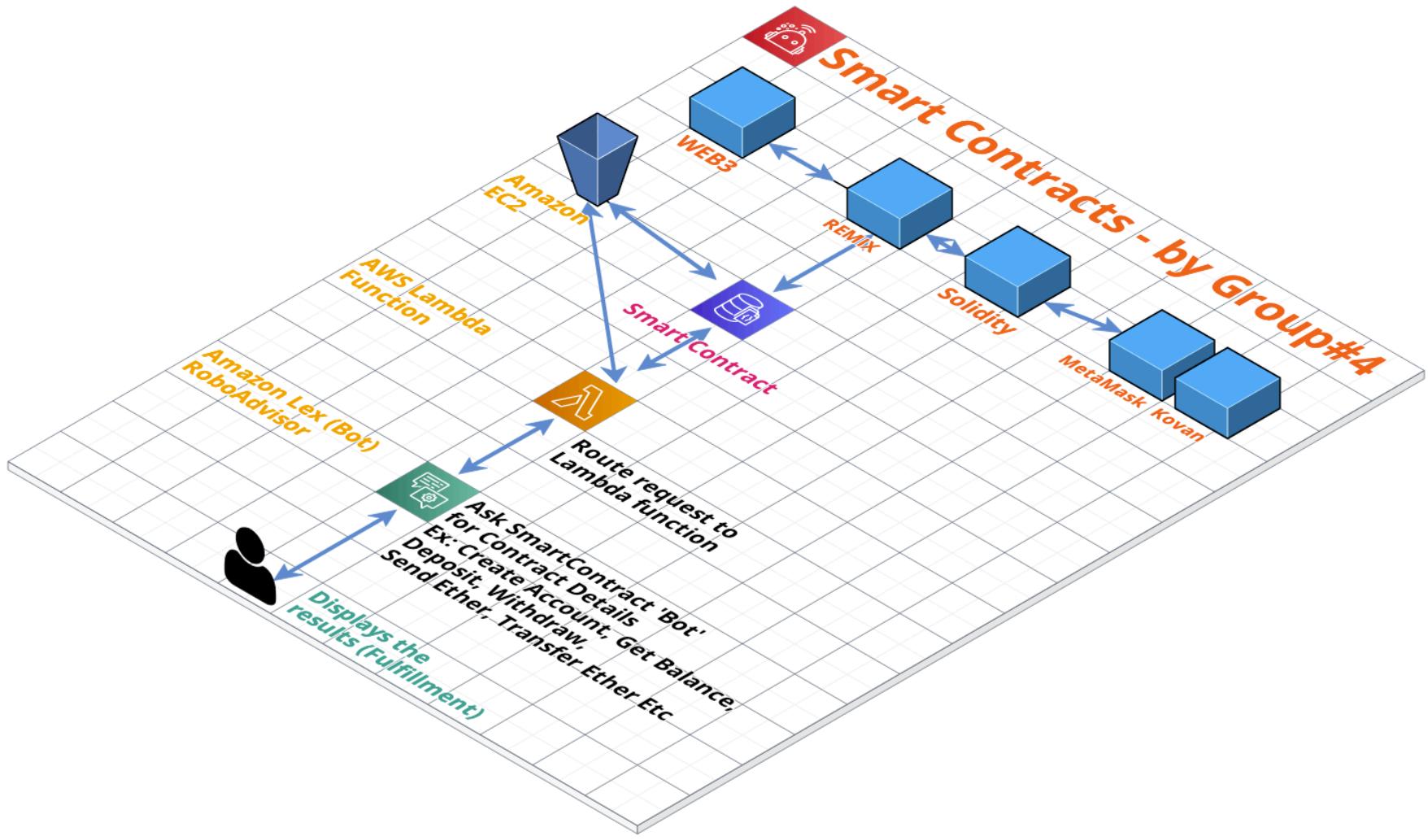
The following User Inputs will let the bot retrieve information from the user's account (e.g. Account Balance):

- Address ID
- Bank Account Type
- Name

# JAVASCRIPT

- Web3.js was imported into AWS Lambda Function for serverless computing.
- Code is written in JavaScript.
- Allows user to do basic commands such as:
  - Get Balance
  - Deposit
  - Withdraw
  - Send Ether
  - Transfer





# ARCHITECTURE

# BOT OPERATION



Subbaiah @ 9332-6924-3174 ▾

Oregon ▾

Support ▾

> Test bot (Latest)

✓ Ready. Build complete.

You're now ready for complete testing. Type an utterance below to begin conversation with your chatbot.

[Clear chat history](#)



Chat with your bot...