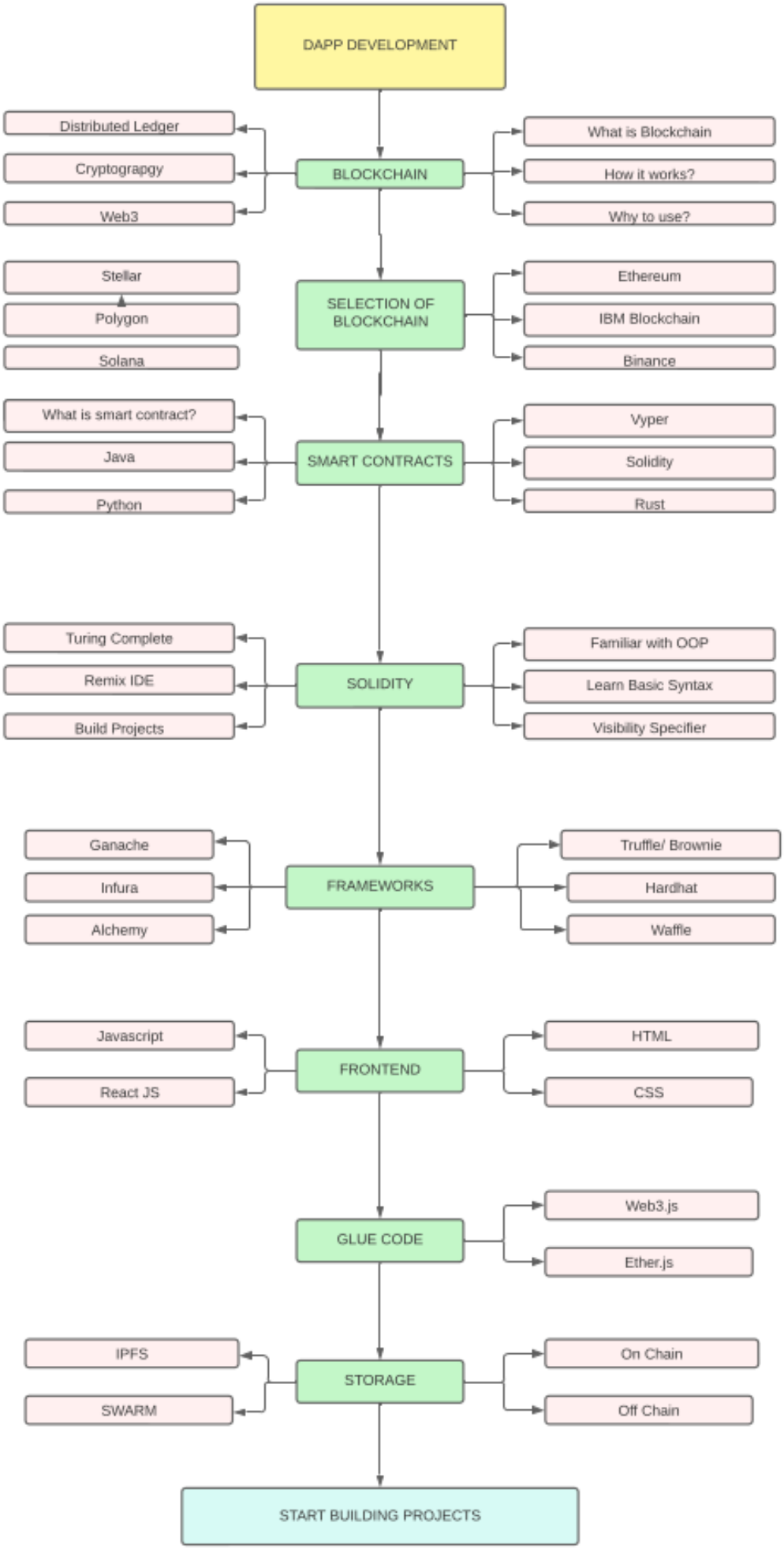
Getting Started With Blockchain



Basic things you need to know

1. General Development Skills
    - Learn GIT, create a few repositories on GitHub / GitLab, share your code with other people.
    - Remember! Google won't judge you. So start with googling "How to google?"
    - Read a few books about algorithms and data structures, blockchain, Ethereum, Solidity
    - Web Development Concepts
    - Basic Mathematics

2. Cryptography and Encryption knowledge
    - Basic concepts - Asymmetric encryption, Digital signature, Certificate
    - Public Key Cryptography
    - What is Hashing on the Blockchain?
    - Digital signature extension - Multi-signature, Blind signature, Group signature, Ring signature
    - Merkle tree

3. Basic Concept of Blockchain
    - Exploring the Basic Concept of Blockchain
    - Bitcoin Whitepaper
    - Bitcoin protocol Explained
    - Proof of Work
    - Proof of Stake
    - Delegated Proof of Stake

4. Learn Solidity
    - Start with Documentation
    - Remix IDE - Learn about Remix IDE
    - Master Solidity Playlist
    - Solidity Tutorial : CryptoZombies
    - awesome-solidity - A curated list of awesome Solidity Resources

5. Web3 and Dapp
    - DAPP Development
    - Web3.js
    - Web3.py

6. Frameworks
    - Truffle - A world class development environment, testing framework and asset pipeline for blockchains using the Ethereum Virtual Machine (EVM), aiming to make life as a developer easier.
    - HardHat - Ethereum development environment for professionals.
    - Brownie - Brownie is a Python-based development and testing framework for smart contracts targeting the Ethereum Virtual Machine.

7. Storage

- Introduction to Distributed Storage
- IPFS - A peer-to-peer hypermedia protocol designed to preserve and grow humanity's knowledge by making the web upgradeable, resilient, and more open.
- SWARM - Swarm is a decentralized storage and communication system for a sovereign digital society.