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Introduction

Availability of authentic medical records at the right time is a major issue that neither our current medical system nor the existing technologies provide. This factor can and has cost many lives. This is our solution to address this problem.

The Solution: MedBase

MedBase is an online platform to maintain medical records of a patient. It runs on the IPFS - InterPlanetary File System protocol making it accessible even from a different planet! It's website form allows all users to use our services.

Working

Every registered user gets a unique **12 digit generated ID** which can be used for accessing all the medical records of the person from **birth till date** from **anywhere across the globe.**

Each uploaded document is accompanied by a generated **Hash ID** so that every document can be recognised by the ID **as no two documents can have the same ID.**

Once uploaded the document cannot be removed: This ensures that a document **cannot be duplicated** but demands utmost caution of the uploader before uploading any document.

Lighthouse

Lighthouse is built on existing open source technologies like IPFS, **Filecoin** which has an ecosystem of 1000s of developers and will easily be able to integrate Lighthouse into their current stack. Access to hundreds of Filecoin miners with over 18 EB of storage capacity.

We used Lighthouse in our backend for fast upload and retrieval speeds while accessing files on the IPFS. Lighthouse runs a storage endowment pool whose job is to pay for the user files till perpetuity.

Provides the ability for users to replicate their files globally near to their user's location leading to **faster load times** and censorship-resistant.
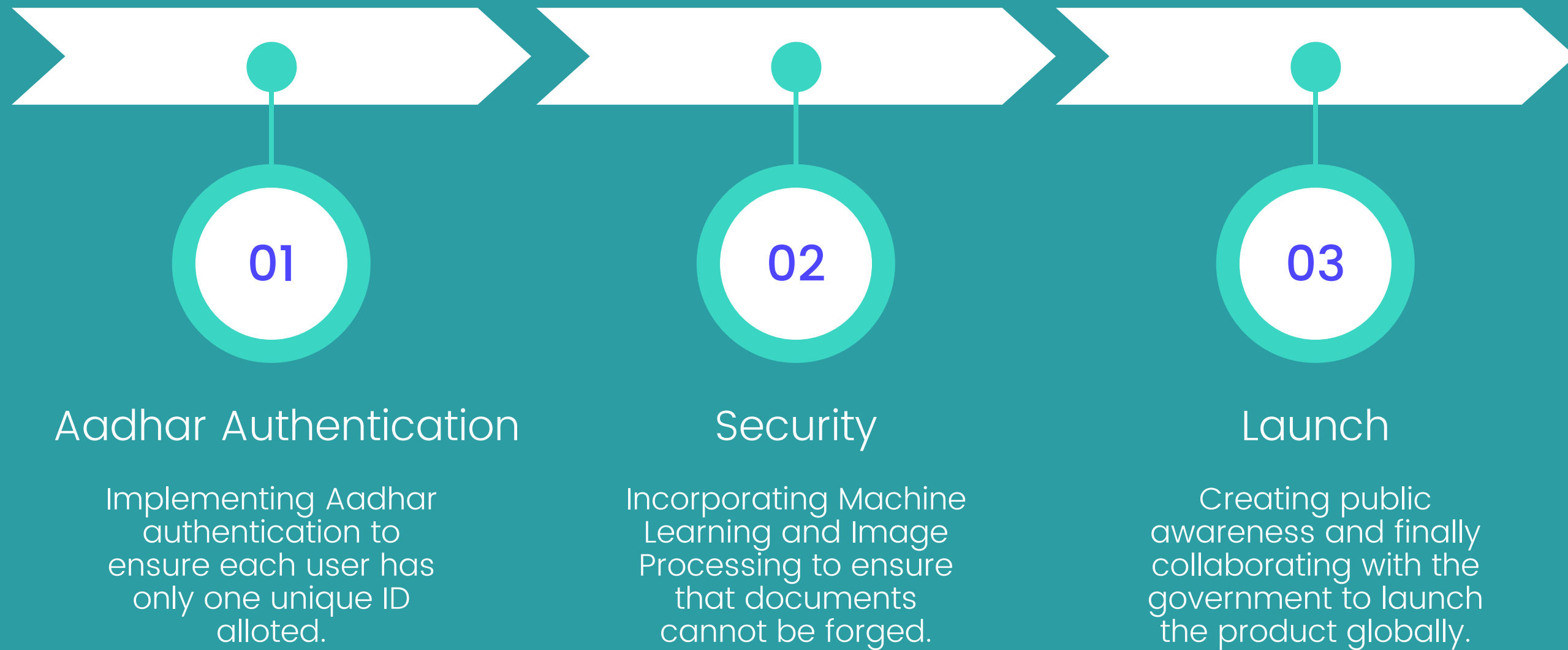
Zephyrus: The Team

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Roadmap

01

Aadhar Authentication

Implementing Aadhar authentication to ensure each user has only one unique ID alloted.

02

Security

Incorporating Machine Learning and Image Processing to ensure that documents cannot be forged.

03

Launch

Creating public awareness and finally collaborating with the government to launch the product globally.

Thank You!