

FINTECH · BANKING · AWS CLOUD

A Cloud-Based Digital KYC System

How Sidhyati digitized the full Know Your Customer process for a growing banking and payments sector, cutting processing time and paperwork with a cloud-native platform powered by AWS facial recognition.

25–30%

Faster KYC processing

Paperless

Eliminated paper documentation

AWS

Rekognition-powered ID capture

OVERVIEW

As the banking, finance, and payments industry grows, moving to a faster, centralized system has become mandatory, especially for the Know Your Customer (KYC) process, which traditionally requires heavy human intervention. Sidhyati digitized the full KYC process to make it easier to use and faster to complete, delivering a cloud-native platform on AWS that leverages facial recognition to reduce manual data entry.

THE CHALLENGE

High reliance on manual processes led to inefficiencies and errors, and extensive paper documentation raised long-term sustainability concerns.

The system also had to stay user-friendly for non-tech-savvy citizens, integrate seamlessly with government and third-party verification systems, and adapt across financial products and institutions without extensive modification.

OUR APPROACH

We built a comprehensive cloud-based system on AWS, using managed services for elastic scale, secure storage, and high availability.

AWS Rekognition handles facial recognition and data extraction from uploaded IDs, while a clean API layer connects mobile apps, the back office, and external verification systems, and field executives assist citizens without smartphones.

CAPTURE → AWS CLOUD Mobile capture, AWS recognition, verified in minutes

01

Capture

Mobile upload of IDs & photos to the cloud

02

Recognize

AWS Rekognition extracts & matches data

03

Verify

APIs check government & third-party systems

04

Store

Secure, compliant cloud database

THE SOLUTION

A comprehensive cloud-based system on AWS, spanning citizen mobile apps, a back-office console, and secure verification integrations.

■ Back-office web app

Administrative tasks and application-status management.

■ Mobile applications

Citizens securely upload ID documents and photos.

■ Integration APIs

Connect back office, mobile, and third-party verification.

■ AWS Rekognition

Facial recognition & data extraction from ID photos.

■ Secure database

Stored in compliance with government standards.

■ Field executive tools

Assist citizens without smartphones or tech access.

THE IMPACT

→ Reduced KYC processing time by **25–30%**, enhancing efficiency.

→ Eliminated paper documentation, promoting sustainability.

→ Adapted easily to diverse financial needs, minimizing customization.

→ Minimized errors, improving data accuracy.

→ Enhanced user satisfaction with intuitive interfaces.

→ **Cloud transformation:** a clear example of cloud technology modernizing financial processes.