



GovSmart: **Enabling Access** **To Public** **Services**

The Future Seamfix Imagines

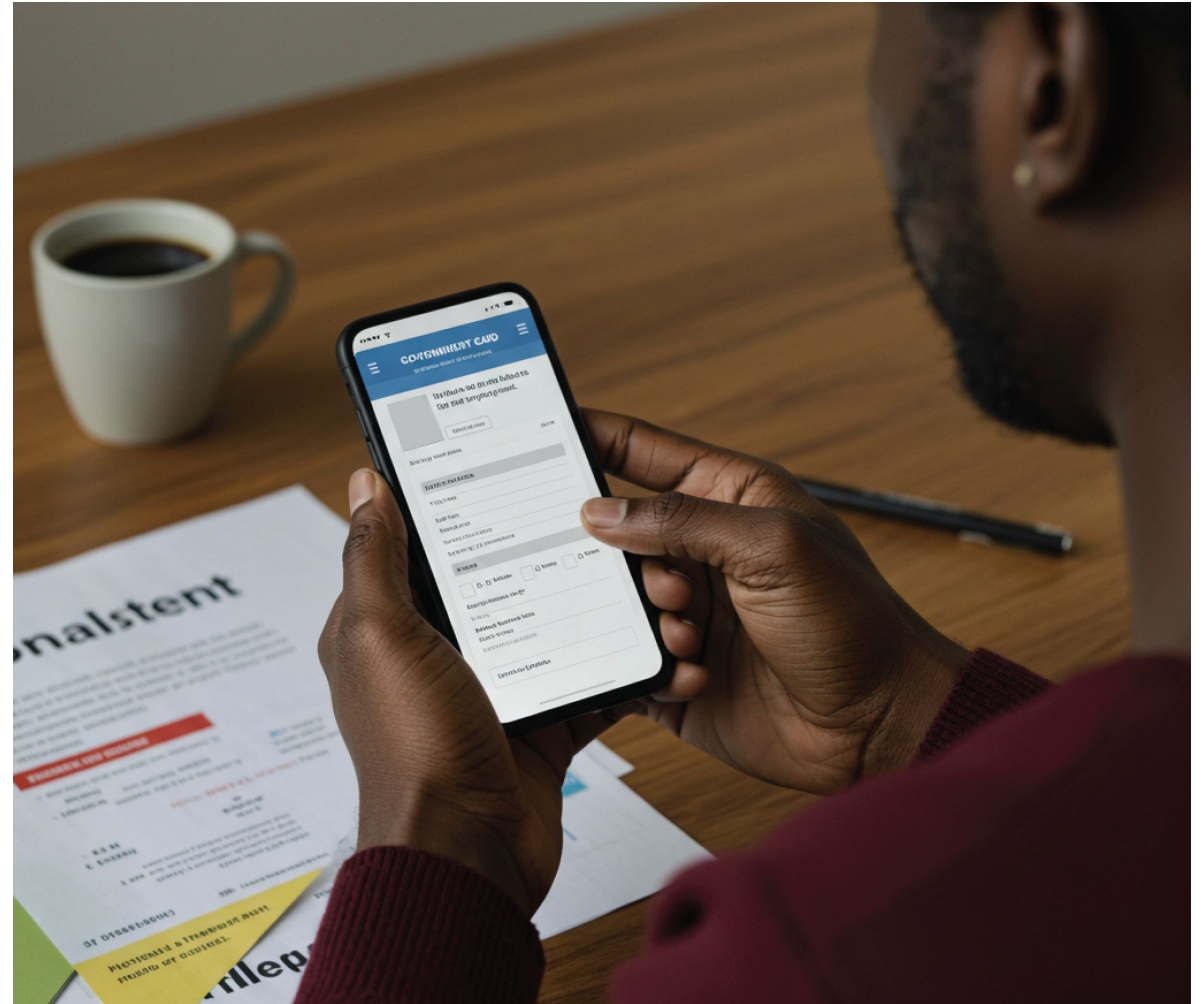
In the rapidly evolving digital landscape, the demand for seamless, secure, and scalable solutions across public sector services has never been higher. Governments and public institutions worldwide face a dual challenge: ***delivering efficient and accessible services while maintaining airtight security and compliance.***



The Future Seamfix Imagines

Imagine a future where citizens can apply for government services such as driver's licenses, passports, social benefits, and business registrations, ***within minutes, without ever stepping into an office.***

Where field agents can collect critical data in the most remote locations without expensive hardware, and where back-office administrators leverage AI to ***automate verification***, ensuring only the highest-quality data enters the system.



The Future Seamfix Imagines

At Seamfix, we are building this future today. GovSmart empowers governments to **scale service delivery** without the traditional constraints of cost, infrastructure, and manual processes.



Real Stories Across Africa



Name: Kwame Agyare

Age: 55

Occupation: Director General of a Public Sector Agency

Kwame leads the national e-government initiative for a rapidly growing economy. **He faces key challenges:**

- ❖ Citizen enrollment for government services is slow and expensive, with long queues delaying access to essential programs.
- ❖ Fraudulent applications increase, undermining trust in public sector systems.
- ❖ Legacy technology which limits interoperability and scalability.
- ❖ Government agents struggling with cumbersome hardware and inefficient workflows.

Kwame needs a solution that is fast, scalable, cost-effective, and capable of meeting stringent compliance requirements.

Real Stories Across Africa



Name: Amina Dakolo

Age: 37

Occupation: Nurse

Amina is a working professional and a mother of two in a rapidly digitizing country. She relies on government services for identification, healthcare, and financial access but faces key challenges:

- ❖ **Lengthy bureaucratic processes** delay her ability to obtain essential documents like national IDs and passports and access social benefits.
- ❖ **Limited access to digital services** forces her to visit government offices in person, ensuring long queues and time away from her job.
- ❖ **Security and privacy concerns** make her hesitant to share personal data online without clear assurances of protection.
- ❖ **Lack of interoperability** between agencies means she has to repeatedly submit the same documents across different platforms.

Real Stories Across Africa

Amina needs a seamless, secure, and user-friendly digital identity solution that empowers her to:



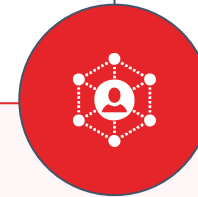
Access government services **quickly and remotely** from her phone.



Authenticate her identity **securely and effortlessly** without fear of fraud.



Control how and when her data is shared, ensuring **privacy and trust**.



Use a single identity across multiple services, reducing redundancy and hassle.

Real Stories Across Africa



Name: Daniel Williams

Age: 28

Occupation: Software Engineer, based in Canada

Daniel is a software engineer living in Canada but originally from Nigeria. He wants to stay connected to his home country for identification, investments, and family support, but faces key challenges:

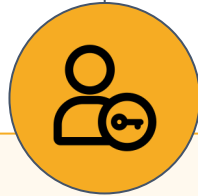
- ❖ **Difficulty accessing government services** as renewing his national ID, passport, or verifying his identity requires travel or complex processes.
- ❖ **Financial and legal barriers** as opening bank accounts, sending money home, or investing in property requires multiple layers of verification.
- ❖ **Lack of seamless authentication**, because many platforms do not support digital identity verification, forcing him to rely on outdated, manual methods.
- ❖ **Concerns over data security and fraud**; he worries about identity theft and unauthorized access when sharing his personal details remotely.

Real Stories Across Africa

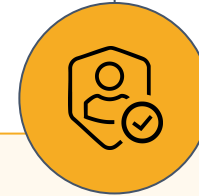
Daniel needs a **trusted and globally accessible** digital identity solution that enables him to:



Remotely verify and update his national identity without visiting an embassy.



Seamlessly access banking, property investments, and legal services back home.



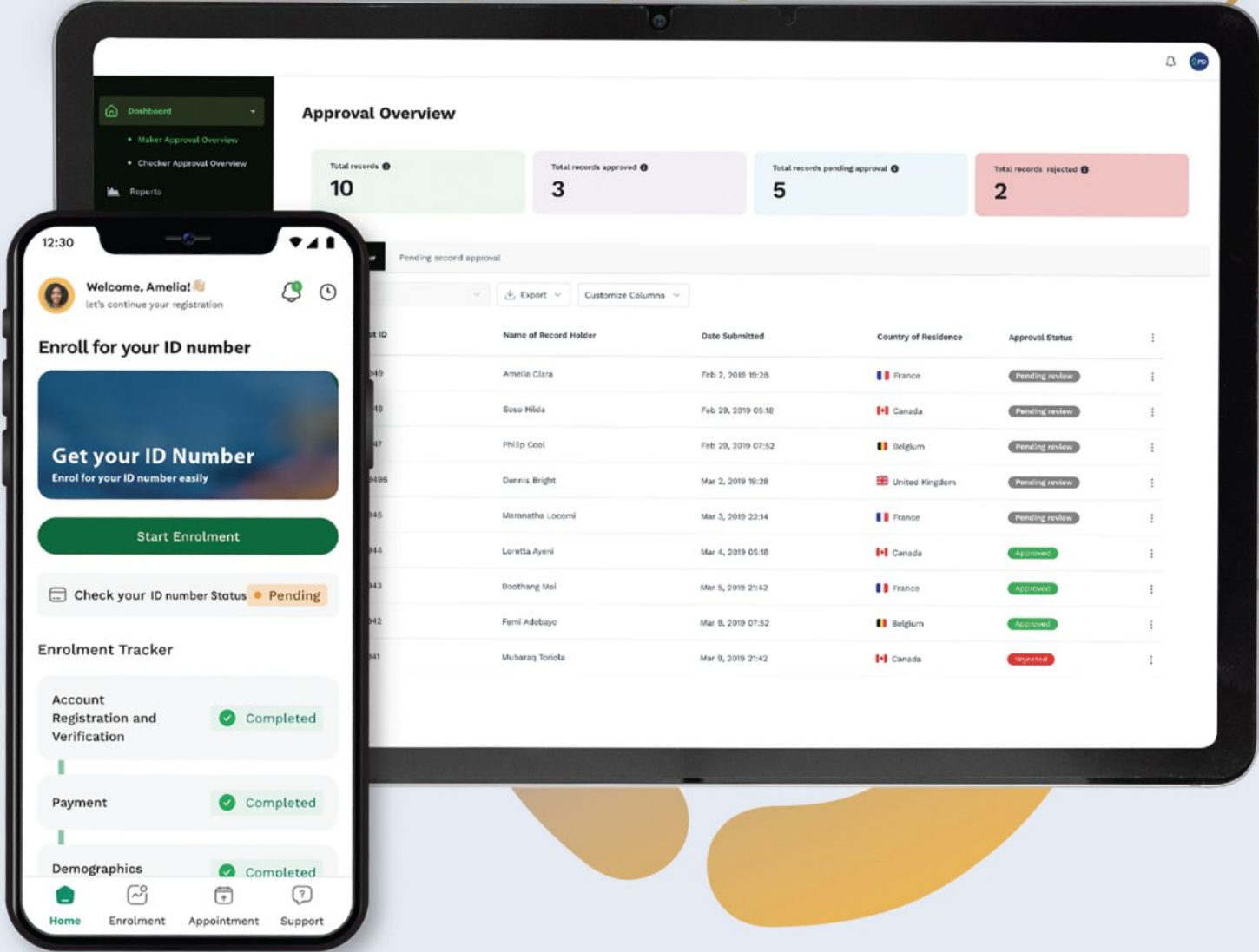
Authenticate securely for government and private sector transactions using biometrics or mobile verification.



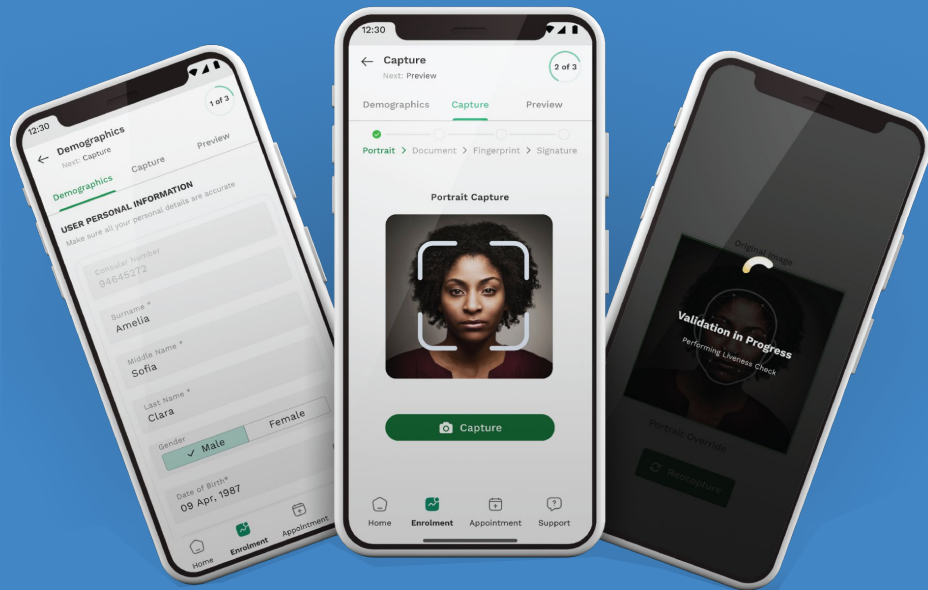
Stay compliant with local and international KYC regulations without unnecessary paperwork.

With **GovSmart**, Daniel can **securely prove his identity anytime, anywhere**, making it easier to stay connected, invest, and contribute to his home country's economy while living abroad.

GovSmart



Empowering Citizens to Access Government Services Remotely



A game-changer for digital public service enrollment, enabling individuals to apply for services remotely without requiring agents.



Mobile-First Enrollment:

Citizens can submit applications and required documents using only their smartphones.



AI-Driven Portrait Validation:

Matches submitted photos with identity documents while ensuring quality, compliance, and likeness.



Real-Time Biometric Quality Checks:

Detects poor-quality images and prompts users to recapture, ensuring high accuracy.

Empowering Citizens to Access Government Services Remotely



4 Face & Fingerprint Matching Against Identity Databases:

Validates biometric data against government or organizational records for enhanced security.



5 AI-Powered Document Capture & Verification:

Eliminates poor-quality submissions with built-in real-time quality checks.



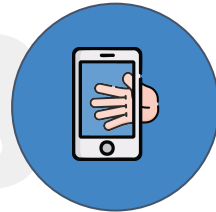
6 OCR & Data Extraction:

Extracts and verifies identity data from passports, driver's licenses, business registrations, and more.



7 Liveness Detection & Anti-Spoofing:

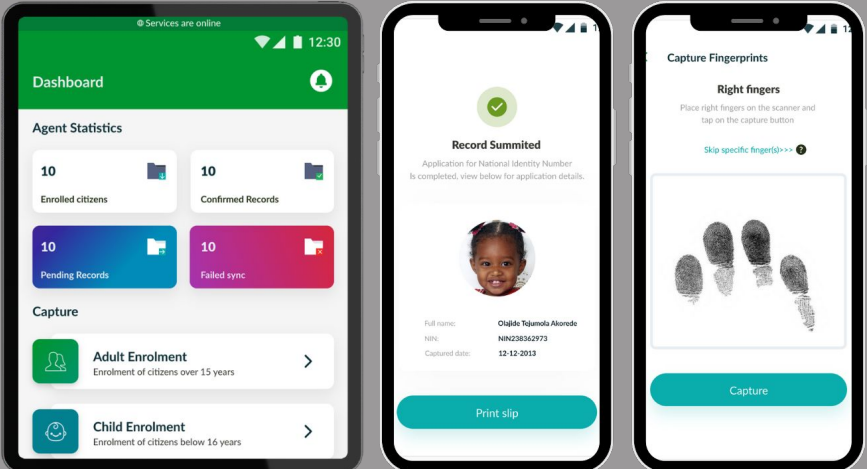
Ensures users are physically present, blocking fraudulent attempts.



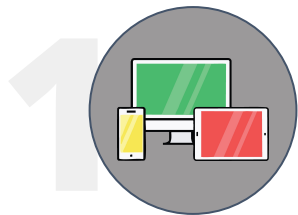
8 Contactless Fingerprint Capture:

Allows remote biometric enrollment using smartphone cameras for secure identity verification.

Powering Agent-Led Enrollments & Improving Field Agent Efficiency



GovSmart is a robust solution for government field agents conducting on-the-ground enrollment, built for reliability in even the toughest environments.



Multi-Device Compatibility:

Runs on tablets, smartphones, and rugged biometric devices.



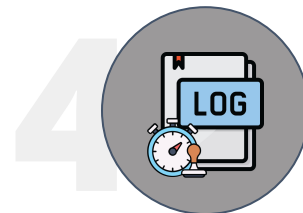
Document & Biometric Data Collection:

Supports fingerprint, facial recognition, and ID scanning.



Automated Data Quality Checks:

Prevents bad enrollments in real time, reducing rejection rates.

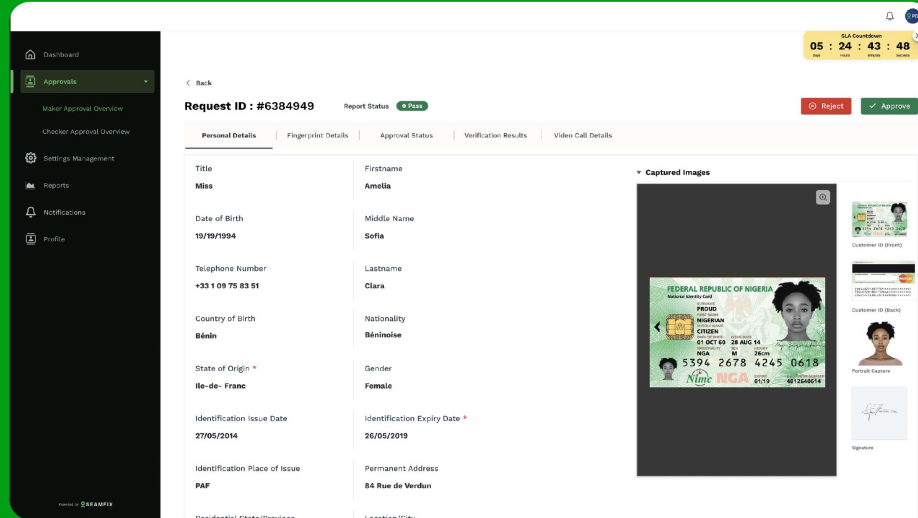


GPS & Time-Stamped Logs:

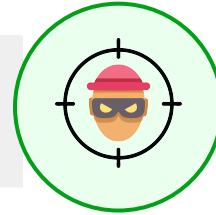
Tracks agent locations for auditability and compliance.

Reduces fraud, enhances accuracy, and speeds up field enrollments by **40%**.

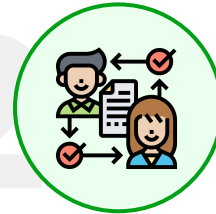
Delivers A Command Center for Public Sector Management



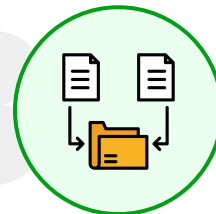
GovSmart offers a centralized platform for government administrators to review, verify, and manage applications at scale.



Automated Verification & Fraud Detection:
AI flags inconsistencies, duplicate applications, and fraud attempts.



Customizable Approval Workflows:
Configurable review processes to match government policies.



Data Deduplication & Matching:
Merges duplicate records, ensuring clean databases.

Delivers A Command Center for Public Sector Management



Appointment Scheduling:

Allows citizens to book in-person or virtual appointments with government officials.



Integration with National Databases:

Seamlessly connects to existing registries, CRMs, and payment systems.



Video Interview Integration:

Enables real-time remote interviews for verification and assessment.

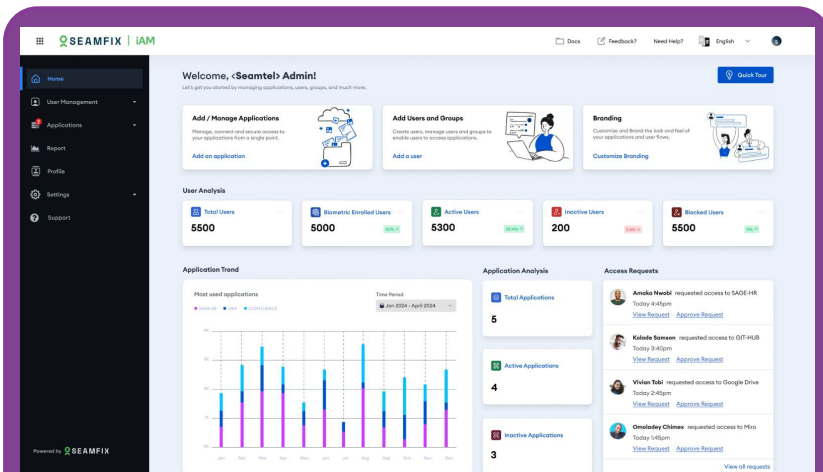


Analytics & Reports:

Real-time insights into application trends, fraud rates, and system performance.

Streamlines governance and compliance while cutting manual review time by up to 50%.

Offers Secure Identity & Access Management for Public Sector Services



A robust biometric identity and access management system for secure authentication and identity verification.



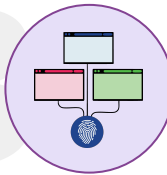
Multi-Factor Authentication:

Combines biometrics with password for added security.



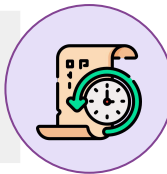
Role-Based Access Control:

Ensures only authorized personnel can access sensitive data.



Biometric Single Sign-On (SSO):

Enables seamless login across government service platforms.



Audit & Compliance Tracking:

Provides full logs of authentication attempts and access history.

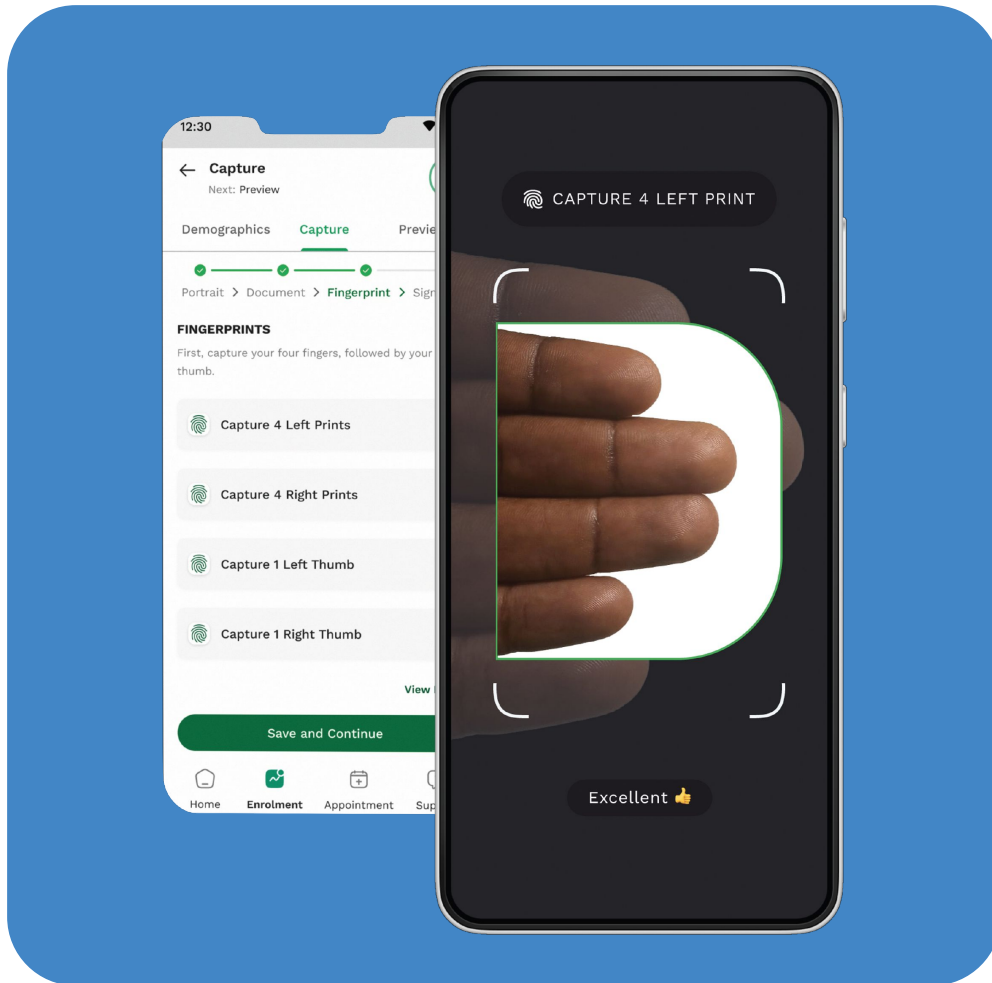
Enhances security, prevents unauthorized access, and ensures compliance with regulations.



Standalone Capabilities that Enhance Government Service Delivery

Beyond the core solutions, GovSmart provides modular, AI-driven capabilities that can be integrated into any public sector system.

AirPrint – Contactless Fingerprint Capture SDK



A revolutionary biometric solution that enables fingerprint capture using standard mobile device cameras—eliminating the need for expensive fingerprint scanners.

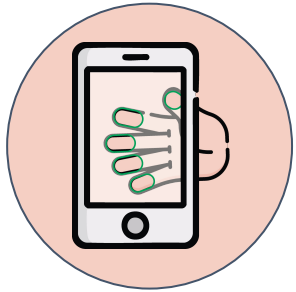
Key Benefits:

- ❖ **No Additional Hardware Costs** – Uses existing smartphones and tablets for biometric enrollment.
- ❖ **Frictionless User Experience** – Streamlines field operations, reducing setup time.
- ❖ **Highly Secure & Accurate** – Compliant with international biometric authentication standards.

Why It Matters?

Traditional fingerprint scanners are costly and often impractical for large-scale deployments. AirPrint offers a cost-effective alternative without compromising accuracy.

How it Works



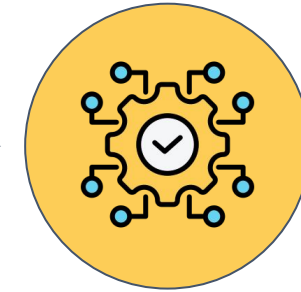
AI-Enhanced Fingerprint Capture: Uses smartphone cameras to capture high-resolution fingerprint images.



Image Enhancement & Quality Check: AI algorithms optimize fingerprint clarity for maximum accuracy.



Instant Data Encryption & Transmission: Ensures secure transfer of captured fingerprints to verification databases.



Seamless Integration with Biometric Systems: Works with national ID, immigration, and financial services for authentication.

Common Use Cases

1

National ID Programs: Enables seamless biometric registration without expensive hardware.

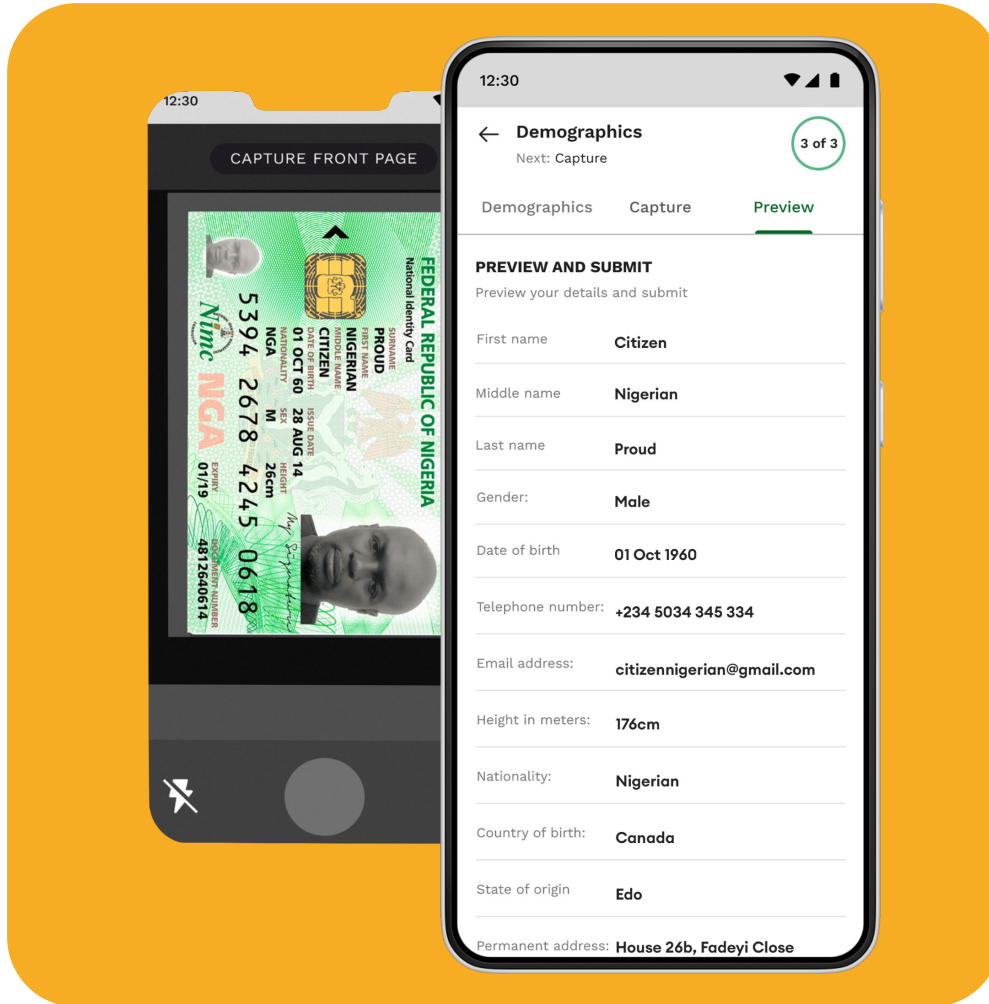
2

Border Control & Immigration: Verifies travelers using contactless fingerprint technology.

3

Financial Services: Ensures secure identity verification for banking and mobile money.

OCR Extractor – AI-Powered Data Extraction



A high-speed, AI-driven Optical Character Recognition (OCR) solution that automates data extraction from official documents such as passports, ID cards, and business licenses.

Key Benefits:

- ❖ **Automated Text Recognition** – Extracts critical identity and document data with precision.
- ❖ **High-Speed Processing** – Eliminates manual data entry errors and accelerates workflows.
- ❖ **Multi-Document Compatibility** – Supports IDs, passports, tax forms, and more.

Why It's Essential?

Governments handle massive volumes of documents daily—OCR automation drastically reduces human error, speeds up processing, and enhances efficiency.

How it Works



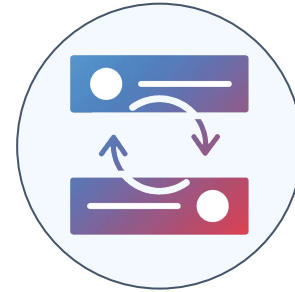
AI-Powered Text Extraction:

Captures and digitizes text from scanned images and documents.



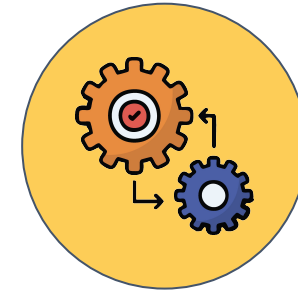
Data Validation &

Formatting: Identifies key fields (e.g., name, DOB, ID number) and structures them for database input.



Instant Cross-Verification:

Matches extracted data against official records for authentication.



Seamless Integration:

Works within government and enterprise systems for real-time processing.

Common Use Cases

1

Passport & Visa Processing:

Extracts and verifies applicant information for faster approvals.

2

Business Registration &

Compliance: Automates company document verification.

3

Tax & Revenue Collection:

Speeds up taxpayer identification and filing processes.

Contact-Based Fingerprint Acquisition & Verification



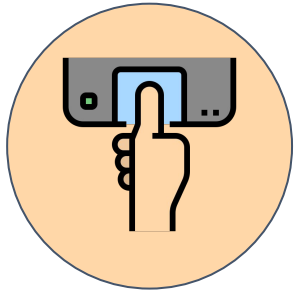
A secure, high-precision fingerprint capture and authentication system that ensures accurate identity verification for critical government and enterprise services.

Key Benefits:

- ❖ **Secure Biometric Enrollment:** Captures high-resolution fingerprints for digital identity records.
- ❖ **Real-Time Authentication:** Instantly matches fingerprints against national biometric databases.
- ❖ **Fraud Prevention:** Prevents identity theft and unauthorized access with biometric verification.

Why **It's** **Important?**
Biometric authentication remains one of the most secure ways to verify identity, ensuring that only legitimate individuals gain access to government services.

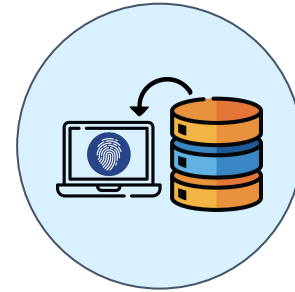
How it Works



Fingerprint Scanning & Capture: Uses high-resolution sensors to obtain detailed fingerprint images.



AI-Enhanced Quality Assessment: Filters out low-quality prints to ensure reliable authentication.



Instant Database Matching: Compares fingerprints against national identity databases for verification.



Automated Fraud Detection: Identifies duplicate or manipulated fingerprints, preventing identity fraud.

Common Use Cases

1

Law Enforcement & Criminal Records: Ensures accurate fingerprint matching for forensic investigations.

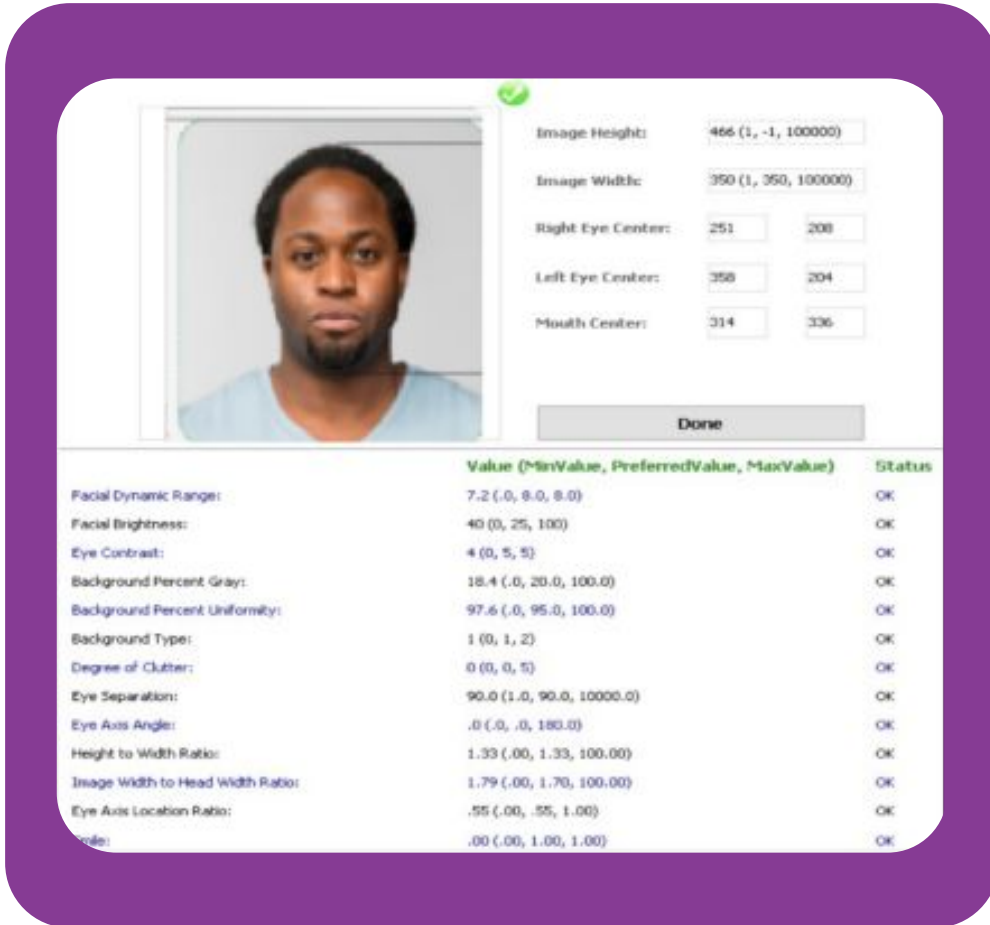
2

Social Benefits Enrollment: Prevents duplicate registrations and fraud in welfare programs.

3

Voter Registration & Elections: Ensures only verified citizens can participate in elections.

Image Quality Checker – AI-Powered Face Quality Check System



An advanced AI-driven tool that ensures only high-quality facial images are accepted during identity enrollment and verification. This solution enhances accuracy, speeds up processing, and guarantees compliance with international identity standards.

Key Benefits:

- ❖ **Eliminates Poor-Quality Captures** – Reduces rejection rates due to blurry, overexposed, or improperly framed images.
- ❖ **AI-Powered Image Scoring** – Uses deep learning algorithms to assess image sharpness, brightness, and facial positioning.
- ❖ **Seamless Integration** – Works effortlessly with existing government identity and biometric systems.

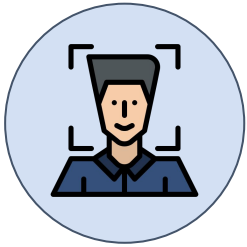
Why

AI-Powered

Capabilities?

By leveraging AI for identity verification, governments can reduce fraud, improve service efficiency, and enhance data quality.

How it Works



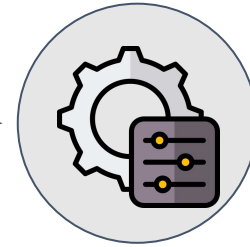
Real-Time Image Capture

Assessment: The system evaluates facial image quality at the point of capture, providing instant feedback.



Automated Compliance

Check: The AI engine verifies alignment with ICAO, NIST, and local identity document standards.



Dynamic Adjustments:

Suggests enhancements such as brightness correction, face centering, and background noise removal.



Instant Approval or Rejection:

If an image fails quality checks, users are prompted to retake the photo, preventing back-office delays.

Common Use Cases

1

National ID & Passport

Enrollment: Ensures high-quality photo submissions, reducing rejections.

2

Digital KYC & Financial

Services: Prevents delays in online customer verification due to poor image quality.

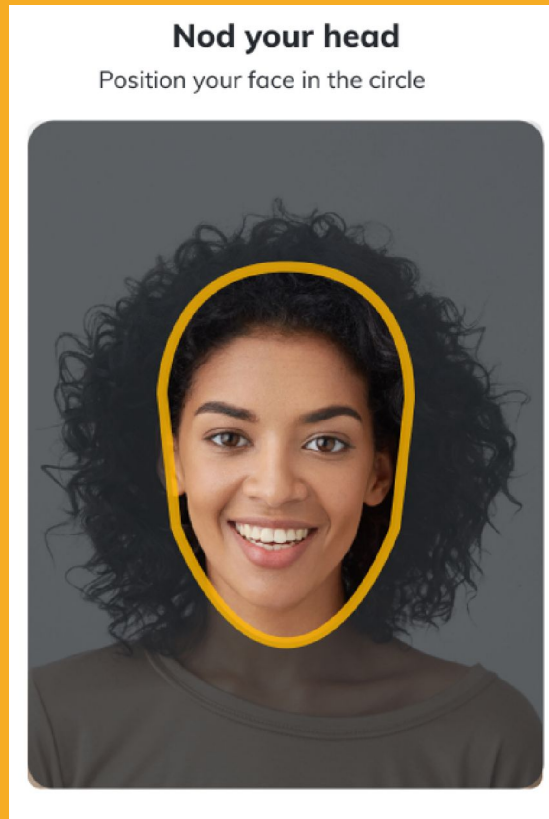
3

Border Control &

Immigration: Ensures facial images meet international security standards for travel documentation.

Impact: Increases acceptance rates by 70% and speeds up enrollment processes, reducing manual review efforts.

Advanced Liveness & Face Verification



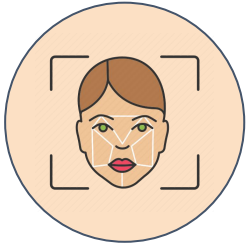
A cutting-edge AI-driven solution that prevents fraud by distinguishing between live individuals and spoof attempts while ensuring high-accuracy facial matching.

Key Benefits:

- ❖ **Defends Against Deepfakes & Spoofing** – Detects 3D face spoofing, printed photos, and digital manipulation.
- ❖ **Real-Time Facial Scanning** – Analyzes motion, texture, and facial structure to ensure liveness.
- ❖ **1:1 & 1:N Face Matching** – Provides fast and accurate identity verification against government databases.

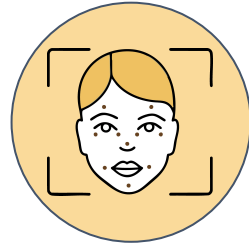
Why Liveness detection ensures only real individuals enroll or verify their identity, reducing fraud attempts by 90%. **It** **Matters?**

How it Works



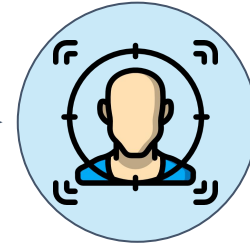
Facial Movement Analysis:

The AI prompts users to blink, smile, or turn their head to confirm liveness.



Depth & Texture Detection:

Scans facial depth and skin texture to prevent presentation attacks.



Passive & Active Liveness Checks:

Supports multiple verification modes based on security needs.



Instant Authentication

Decision: The system cross-checks captured data with stored biometrics for real-time identity verification.

Common Use Cases

1

E-Government & National ID

Verification: Prevents identity fraud during digital onboarding.

2

Banking & Financial

Services: Ensures secure facial verification for remote account access.

3

Online Voting & Digital

Signatures: Enhances security in remote authentication processes.

Impact: Reduces identity fraud risks by 90% and ensures secure digital onboarding.

How it Works



API-Based National Database Search:

Cross-checks identity details with official government and financial records.



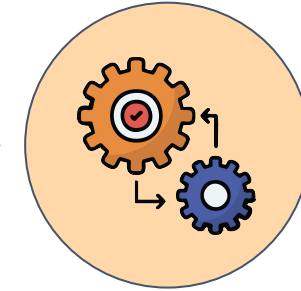
Address & Employment Verification:

Uses geolocation, digital maps, and field agent reports to verify applicant details.



Risk Assessment & Fraud Detection:

AI assigns a risk score to applications based on verification results.



Seamless Integration with Government Systems:

Works as an additional layer of verification before approving applications.

Impact: Strengthens security, reduces fraud risks, and ensures the legitimacy of government service applicants.

Notable Implementations - Nigerian Identity Management Commission



In 2013, Seamfix was awarded the contract by the National Identity Management Commission (NIMC) to deliver a Windows Enrollment platform which will be used for enrolling the NIN (National Identity Number) of every Nigerian. The platform is still actively in use today nationwide.

In 2018, NIMC had further engaged Seamfix to provide Android version of the NIN enrollment platform which is expected to power the NIMC digital ecosystem drive in line with the NIMC strategic roadmap sponsored by World Bank.

Seamfix delivers

Nigerian has grown from **30 Million citizens** in 2012 (Before we arrived) to over 80 Million enrolled citizens in 2022 (After we arrived)

Results

- ❖ 50 Million+ citizens enrolled
- ❖ 70% enrollees were satisfied using Seamfix Capture

About Seamfix

Founded in 2007, Seamix is a leader in digital identity management, having helped over 1,000 businesses across the world build, create, verify and manage identities.

The company bootstrapped from a local startup to a global powerhouse, creating over 300 million and verifying over 160 million identities.

With patented technologies like facial recognition AI, Seamix empowers organisations across key industries like telecoms, financial services, and the public sector to:

Securely onboard customers
with digital identities

Fight fraud with accurate
verification.

Manage user access for a safer
digital world

Recognised by the London Stock Exchange and with 20+ awards (including “Software Development Company of the Year”), Seamix is committed to delivering seamless identity solutions that enable trust in how we live, work and learn.

Our Security Standards

An external security auditing company audits and certifies our security processes yearly. As an organization, we work with our DPO (Evalian Limited, UK) out of our UK office.

We comply with international security standards and partner with industry leaders in all the countries we work in to continually ensure that these security management systems are well-maintained and internally regulated.

We have ensured that our processes are tested and accredited from security to data privacy.

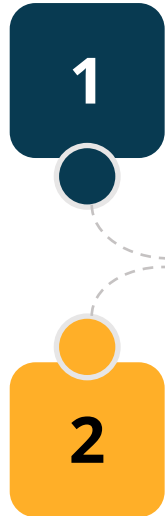
We take security seriously and have a full-blown compliance department that is heavily in charge of security.

We are certified today for the following;



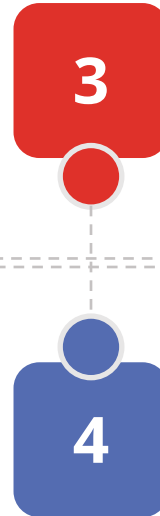
Why Collaborate With Seamfix?

We have capabilities and experience that can be leveraged to solve important problems



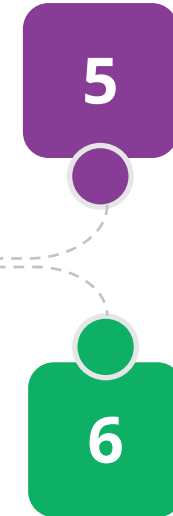
We focus on solutions not necessarily on products

We have a mutual belief that ordinary service should be delivered in extraordinary ways



We do not claim to have any superhuman capabilities; we bring authenticity, creativity and focused energy

We have delivered mission-critical solutions



We deliver ordinary services in extraordinary ways, simplified solutions, and excellent customer experience

Our Client/Partners

Our Client

PFA/INSURANCE



FINANCIAL SECTOR



TELCO/ISP



GOVERNMENT



FMCG



EDUCATIONAL



OIL & GAS



NGO



SECURITY



Our Partners



Our Awards

Our efforts in the tech ecosystem has earned us a crowd of awards and recognitions



- **Identity Management Solution Provider of the Year** (Nigeria Tech. Awards)
- **Software Development Company of the Year** (Nigeria Tech. Awards)



- **Most Outstanding Software Deployment Company Of the Year** (Nigeria Tech. Awards)
- **Most innovative Tech product of the year - (Biosmart)** (Nigeria Tech. Awards)



- **Software Development Company of the Year** (Nigeria Tech. Awards)
- **Most innovative Tech company of the year** (Nigeria Tech. Awards)



- **Software Development Company of the Year** (Nigeria Tech. Awards)
- **Most innovative Tech company of the year** (NITA Awards)



- **Most Responsive MNO Partner Award** Delivery Partner (MTNN)
- **Recognized as one of the companies to inspire Africa** (The London Stock Exchange Group)
- **Excellence in KYC and identity management** (Finnovex awards)
- **Most innovative Tech company of the year** (NITA Awards)
- **Most Enterprising Tech Entrepreneur of the year** (NITA awards)



- **Most Improved Performance** Delivery Partner (MTNN)
- **Most Improved Performance** Managed Services and Support Partner (MTNN)
- **Software Development Company of the Year** (Nigeria Tech. Awards)
- **#29 of 100 Best Companies to work in Nigeria** (Jobberman.com)
- **Tech Company CEO Of The Year** (Nigeria Tech. Awards)



- **Best Identity Management Solution (BioRegistra)** (NIMES)
- **Tech Innovation Project of the Year (FuelVoucher)** (Nigeria Tech. Awards)
- **Software Development Company of the Year** (Nigeria Tech. Awards)
- **I.T. Services & Support Company of the Year** (Nigeria Tech. Awards)
- **Tech Company CEO Of The Year** (Nigeria Tech. Awards)



- **I.T. Services & Support Company of the Year** (Nigeria Tech. Awards)
- **#63 of 100 Best Companies to work in Nigeria** (Jobberman.com)



- **Award of Loyalty** eTranzact



Our Board of Directors



Ms Jyoti Desai
Chairperson



Chibuzor Onwurah
Co-founder and Executive Director



Chimezie Emewulu
Co-founder and Group CEO



Frank Atube
Executive Director
and COO



Olamide Ajah
Non-Executive Director



Dr. Chukwuemeka Elele
Non-Executive Director



Tokunboh Ishmael
Non-Executive Director

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A group of four business professionals in a meeting. A woman in a light-colored blazer and striped skirt is looking at a tablet. A man in a dark suit and glasses is looking at a smartphone. Another man in a dark suit and glasses is looking at a document. A woman in a light-colored blazer is looking at a tablet. The background is a blurred office setting.

Thank You