



# AvaCertify: Revolutionizing Credential Management with Blockchain

Transform how certificates are issued, verified, and managed with our blockchain-powered platform.

 **by Elvis Ndegwa**

# The Problem



## Credential Fraud

A \$2B+ global problem affecting institutions and employers.



## Verification Challenges

Manual processes are slow, costly, and error-prone.



## Trust Issues

Paper certificates can be easily forged.



## Accessibility & Transparency

Physical credentials can be lost. No clear tracking of certificate lifecycle.







# Our Solution: AvaCertify

The blockchain-powered platform that transforms how certificates are issued, verified, and managed.

AvaCertify is a decentralized application (dApp) that leverages smart contracts on the educhain blockchain.

It securely issues, verifies, and revokes certificates with complete transparency.



# Market Opportunity

\$404B

EdTech Market by 2025

CAGR of 16.3%

\$1.9B

Blockchain in Education

Expected by 2026

## Primary Customers

- Educational institutions
- Professional certification bodies
- Corporate training departments
- Government licensing agencies

# How It Works



## Institution

Creates and issues digital certificates



## Certificate

Securely stored on educhain blockchain



## Graduate/Professional

Receives access to their digital credential



## Employers/Verifiers

Instantly confirm authenticity

## Blockchain Certificate





# Core Features: Secure Certificate Issuance



## Customizable Templates

One-click issuance with fully customizable designs.



## Tamper-proof Storage

Certificates securely stored on blockchain.



## Automatic Notification

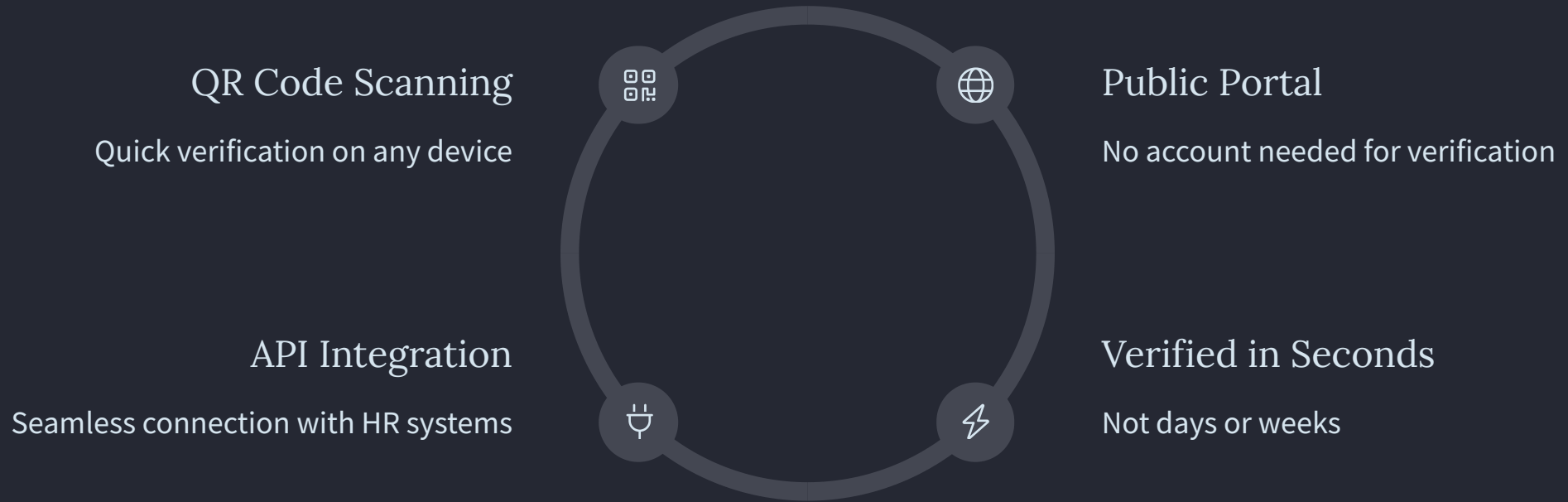
Recipients alerted immediately.



## Batch Processing

Issue multiple certificates at once.

# Core Features: Instant Verification



# Core Features: Complete Lifecycle Management

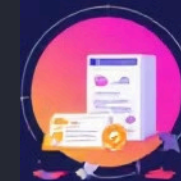


## Timeline to the Digital Certificate Lifecycle



### Certificate Issuance

Reproduce a certificate a life span



### Certificate Usage

Certificates for needed certificates.

### Certificate Renewal

Certificates per cycle



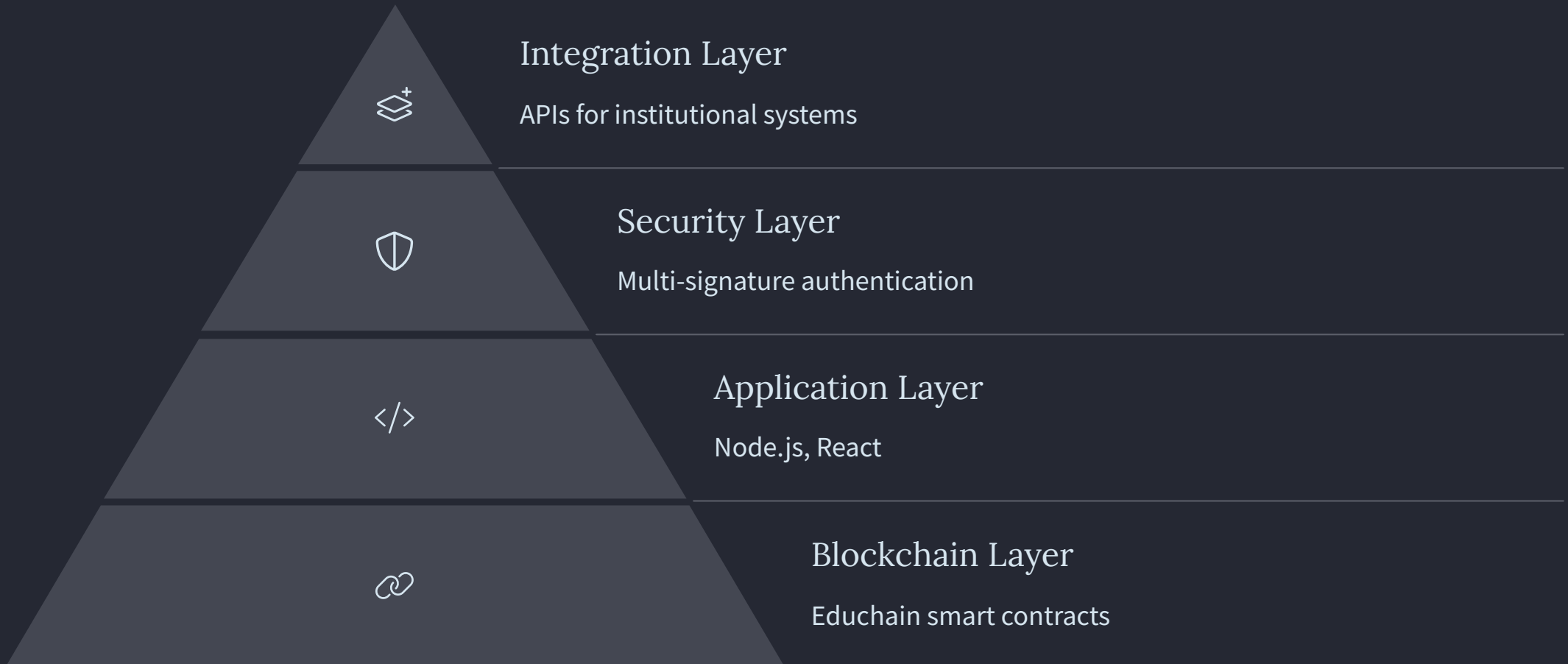
### Certificate Renewal



### Certificate Expiration



# Technical Architecture





Gener Certificates

**EduCertify**

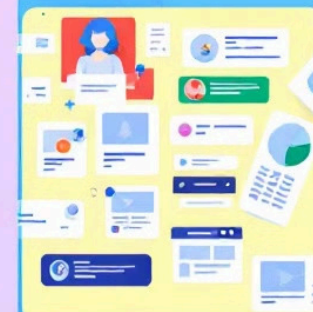
Comparing tr in your  
in certificate platform



Generic

Generic

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# The team

- **Ian Macharia** - Smart Contract Developer [macharia.gichoya@gmail.com](mailto:macharia.gichoya@gmail.com)
- **Sharon Kitavi** - Backend Developer [-sharonkmwikali@gmail.com](mailto:-sharonkmwikali@gmail.com)
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- **Truth** - Frontend Developer [trutherkadi@gmail.com](mailto:trutherkadi@gmail.com)



# Competitive Advantage

Feature	Avacertify	Competitors
Blockchain Security	✓	Limited
Verification Speed	Instant	Hours/Days
Cost Per Certificate	\$0.10	\$3-15
Integration Flexibility	High	Low
Revocation Management	Advanced	Basic/None