Smart Banner Hub Launches Quantum Auth Forge™ — World's First Consumer-Accessible Quantum-Safe Document Authentication

New platform brings NIST FIPS 204 post-quantum cryptography to consumers for $24.99 per document, no enterprise contract required
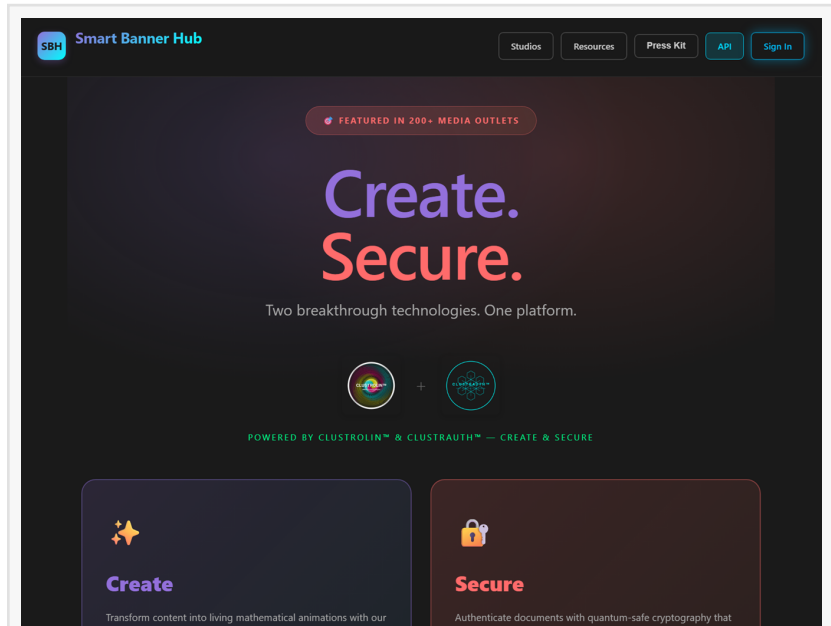
BEAVERTON, OR, UNITED STATES, December 22, 2025 / EINPresswire.com/ -- Smart Banner Hub LLC, the company behind the Clustrolin™ DBSCAN Creative Engine, today announced the launch of Quantum Auth Forge™ — the first consumer-accessible platform for quantum-safe document authentication, powered by the new Clustrauth™ post-quantum authentication engine.

Smart Banner Hub homepage featuring dual breakthrough technologies: Clustrolin™ for creative DBSCAN animations and Clustrauth™ for quantum-safe document authentication.

While enterprise solutions for post-quantum cryptography exist, they remain locked behind six-figure contracts and complex API integrations. Quantum Auth Forge™ democratizes this technology, allowing anyone to cryptographically authenticate documents with the same NIST-approved algorithms selected to protect U.S. federal systems.

"Documents authenticated today may need verification decades from now. A 30-year mortgage signed in 2025 will still be referenced in 2055 — when quantum computers will have rendered today's standard cryptography obsolete. Quantum Auth Forge™ solves this problem now, not later."

— Ashwin Spencer, Founder & CEO, Smart Banner Hub LLC

HOW IT WORKS

Users upload any document. Quantum Auth Forge™ authenticates the document using hybrid quantum-safe cryptography — combining classical Ed25519 with NIST FIPS 204 ML-DSA algorithms. Users receive a Certificate of Authenticity with a unique Certificate ID, providing cryptographic proof that the document existed in its exact form at the time of authentication.

DETECTION, NOT PREVENTION

Unlike DRM systems that attempt to prevent document editing, Quantum Auth Forge™ provides cryptographic detection. If an authenticated document is altered in any way — even a single byte — verification fails. It is computationally infeasible to alter the document without detection; it either matches its authenticated form, or it doesn't.
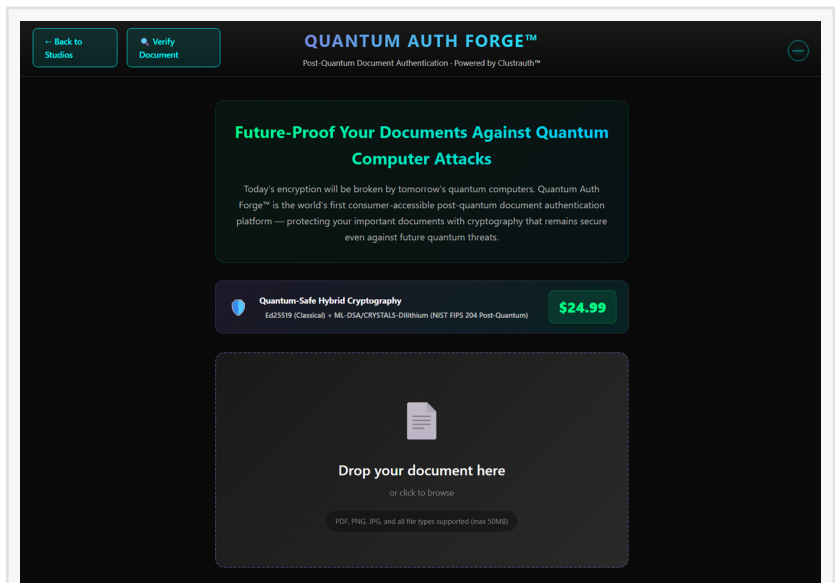

Quantum Auth Forge™ - the world's first consumer-accessible post-quantum document authentication platform. Upload any file, pay $24.99, receive tamper-proof Certificate of Authenticity.

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A 30-year mortgage signed in 2025 will still be referenced in 2055 — when quantum computers will have rendered today's cryptography obsolete. We solve this now, not later."

Ashwin Spencer, Founder & CEO, Smart Banner Hub LLC

FREE VERIFICATION

Anyone can verify an authenticated document at smartbannerhub.com/quantum-auth/verify. Simply upload the document and enter its Certificate ID. The platform compares the document's hash against the authenticated original. No account required.

TECHNICAL SPECIFICATIONS

Post-Quantum Signatures: ML-DSA (CRYSTALS-Dilithium) — NIST FIPS 204

Classical Signatures: Ed25519 — Elliptic Curve Cryptography
Document Hashing: SHA3-256 — Quantum-Resistant
Approach: Hybrid dual-signature for defense in depth
Supported Formats: All file types (up to 50MB)
Output: Certificate of Authenticity with unique Certificate ID

POWERED BY CLUSTRAUTH™

Quantum Auth Forge™ is the first product built on Smart Banner Hub's new Clustrauth™ engine — the first direct-to-consumer quantum-safe document authentication engine. While enterprise competitors require sales calls, multi-month onboarding, and five-figure contracts, Clustrauth™ makes post-quantum authentication accessible through a simple checkout button.

TARGET USE CASES

- Legal contracts requiring long-term verification
- Medical records and healthcare documentation
- Real estate documents (mortgages, deeds, titles)
- Intellectual property and creative works
- Corporate documents and financial records
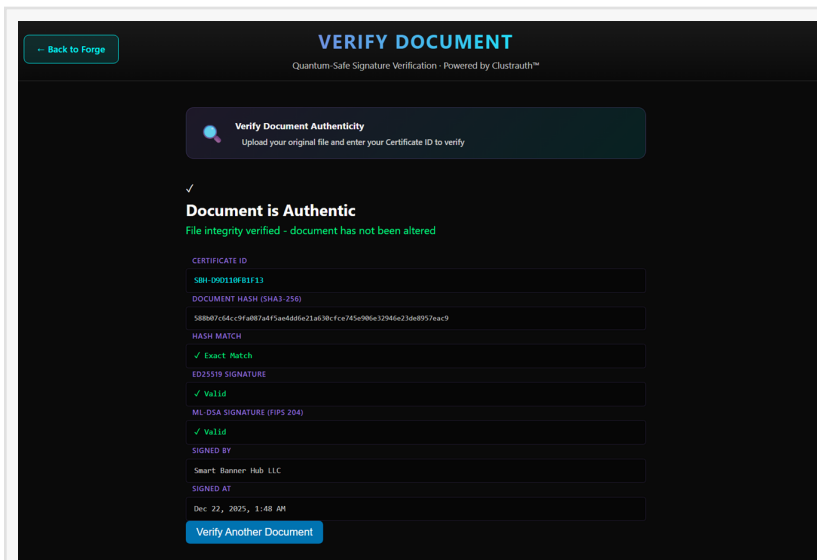- Certificates, credentials, and diplomas

AVAILABILITY & PRICING

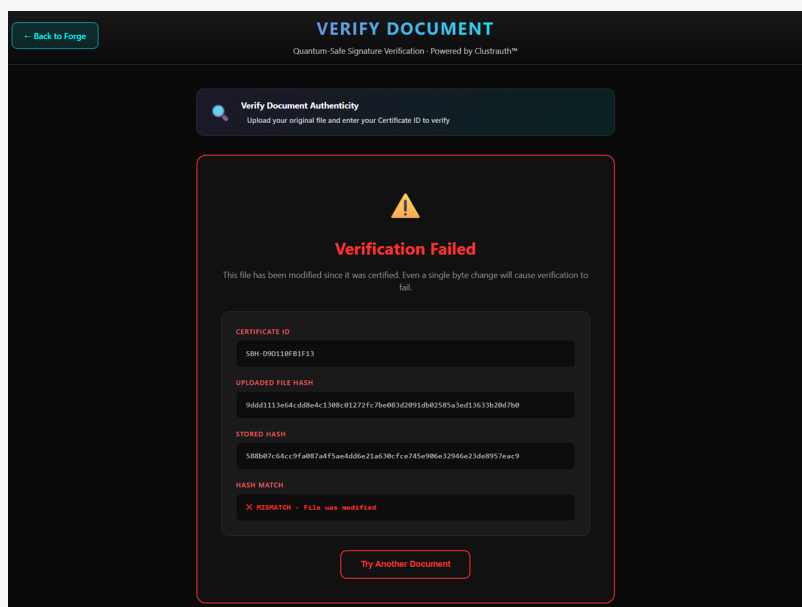Quantum Auth Forge™ is available immediately at smartbannerhub.com/quantum-auth

$24.99 per document authenticated.

ABOUT SMART BANNER HUB

Smart Banner Hub LLC is the creator of the Clustrolin™ DBSCAN Creative Engine, which transforms ordinary content into mathematically unique algorithmic art. The company pioneered the application of DBSCAN clustering algorithms to creative animation, launched the world's first email signature platform with post-quantum cryptographic protection, and is now the first consumer platform to offer quantum-safe document authentication.

Document verification showing authentic status with Ed25519 and ML-DSA signature validation, SHA3-256 hash match confirmed.

Tamper detection in action - even a single pixel change causes verification to fail, proving document integrity protection.

MEDIA CONTACT

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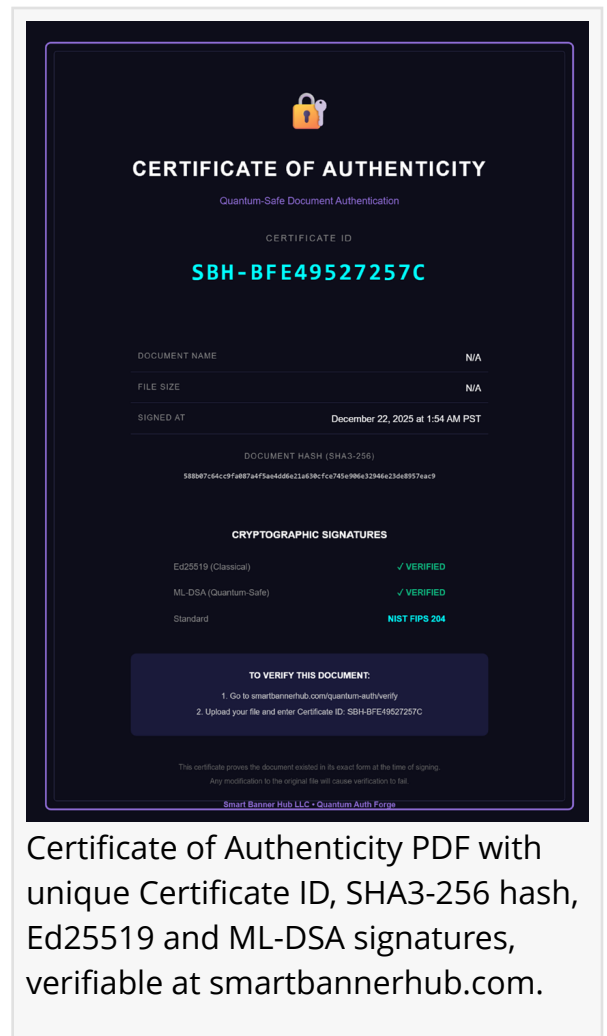+1 971-217-6983

Digital Resources:
Website: https://smartbannerhub.com
LinkedIn: https://linkedin.com/in/ashwinspencer
Press Kit: https://smartbannerhub.com/presskit.html

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CERTIFICATE OF AUTHENTICITY

Quantum-Safe Document Authentication

CERTIFICATE ID

SBH-BFE49527257C

DOCUMENT NAME	N/A
FILE SIZE	N/A
SIGNED AT	December 22, 2025 at 1:54 AM PST

DOCUMENT HASH (SHA3-256)

588b07c64cc9fa087a4f5ae4dd6e21a630cfce745e906e32946e23de8957eac9

CRYPTOGRAPHIC SIGNATURES

Ed25519 (Classical)	✓ VERIFIED
ML-DSA (Quantum-Safe)	✓ VERIFIED
Standard	NIST FIPS 204

TO VERIFY THIS DOCUMENT:
1. Go to smartbannerhub.com/quantum-auth/verify
2. Upload your file and enter Certificate ID: SBH-BFE49527257C

This certificate proves the document existed in its exact form at the time of signing.
Any modification to the original file will cause verification to fail.

Smart Banner Hub LLC • Quantum Auth Forge

Certificate of Authenticity PDF with unique Certificate ID, SHA3-256 hash, Ed25519 and ML-DSA signatures, verifiable at smartbannerhub.com.

This press release can be viewed online at: https://www.einpresswire.com/article/877446766