



SENTINEL DAY TECH



8(a)



SDVOSB



HUBZone

UEI: XXNVEBTAWXN9

CAGE: 15AB3

NAICS Codes

541715 541511
541512

AI | Clinical Technology | IT Solutions

www.sentineldaytech.com

Sentinel Day Tech is a U.S.-based software and artificial intelligence company delivering secure, mission-ready technology solutions for government, defense, and commercial clients. Our expertise spans AI/ML, cybersecurity, edge computing, cloud infrastructure, and digital transformation. We also provide innovative IT staffing and end-to-end software solutions that connect organizations with top-tier technology talent. Through our agile approach and deep technical proficiency, we drive operational efficiency, accelerate innovation, and strengthen mission success.

PAST PERFORMANCE

- **Nova Clinical Research:** Patient recruitment via targeted advertising
- **Theia Clinical Research:** Patient recruitment via targeted advertising
- **Lakeview Clinical Research:** Patient recruitment via

CORE COMPETENCIES

- **SaaS Solutions:** Scalable and secure cloud-based applications designed to enhance accessibility, streamline operations, and drive organizational efficiency.
- **Digital Marketing & E-Commerce:** Comprehensive digital marketing, e-commerce development, and Amazon optimization powered by data-driven strategies and measurable results.
- **AI-Powered Clinical Solutions:** Intelligent, data-driven platforms integrating patient matching, automated outreach, and voice-based engagement to accelerate study enrollment and retention.
- **Secure HealthTech Infrastructure:** Cloud-native, HIPAA-compliant SaaS environments with role-based access, encryption, and analytics to enable scalable, compliant multi-client clinical operations.

CORPORATE DATA

Byron Hayes - CEO - (512) 815-8272

Tareq Hossain - COO - (615) 423-4843

email: byron@kadaygroup.com

515 Sunset St

Blossom, TX 75416

RELEVANT EXPERIENCE

AI-Enhanced Patient Recruitment:

- Precision-targeted outreach powered by programmatic advertising and AI-driven audience modeling.
- Proprietary database of 1M+ volunteer profiles enriched with medical entity normalization and adaptive patient-to-trial matching.

Clinical Trial Management Platform:

- Cloud-native, multi-tenant SaaS platform enabling seamless, end-to-end trial management.
- Features include enrollment management, scheduling, e-consent, document workflows, and real-time monitoring dashboards.

HIPAA-Compliant Data Security:

- AES-256 encryption at rest and TLS 1.3 in transit with strict role-based access controls (RBAC).
- Comprehensive audit logging and compliance framework aligned with HIPAA and 21 CFR Part 11.

Multi-Client Orchestration:

- Elastic infrastructure built to manage concurrent CRO campaigns with workload isolation.
- Embedded analytics for performance monitoring, recruitment funnel optimization, and detailed reporting.

AI Voice Agent for Real-Time Conversations:

- Low-latency architecture combining automatic speech recognition (ASR), natural language understanding (NLU), and text-to-speech (TTS).
- Supports autonomous phone-based patient engagement, scheduling, and pre-screening.