CAPABILITIES STATEMENT · VIRGINIA PUBLIC SECTOR

Virginia Higher Education & State Agencies

Application Modernization · Cloud · Research & Health Data · REDCap

APPS → CLOUD → DATA → RESEARCH

SWAM MICRO BUSINESS

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A SWaM-certified micro business that modernizes applications, moves systems to the cloud, and integrates research and health data in secure environments.

- ✓ **Since 2011** on NIH's CRSS clinical research system
- ✓ **Production REDCap integration** for a national research foundation (2022–24)
- ✓ **Small, fixed-price** first projects sized for micro set-asides

VA SWaM #718352
Micro · Women · Minority
SBA EDWOSB · WOSB · SDB
GSA MAS offer pending
MWAA SLBE #SL20422833
Richmond MBD registered

Micro set-aside eligible

Since 2011 on NIH's CRSS clinical research system	**2022–24** REDCap-to-lab integration in production	**U.S. + Intl.** study sites served by that integration	**PR #98** merged into the open-source REDCap API library for .NET

// CAPABILITIES

- Application modernization
- Cloud migration & cloud-native
- Research data & metadata
- REDCap integration & automation
- Health & public-sector data
- Workflow automation & AI
- Web & mobile apps
- Supplemental IT staff & PM

// WHY BITHRIVE

- ✓ SWaM micro, women- and minority-owned: set-aside eligible
- ✓ FISMA-compliant delivery at NIH
- ✓ Live REDCap production work plus open-source contributions
- ✓ Fixed-price, small-purchase-sized first projects

// PAST PERFORMANCE

CRSS — NHLBI & NIAMS

Subcontractor since 2011 · NAVITAS (75N92021C00028) 2017–24 · MPF Federal (TO 75N92025F00020) 2024–present

Full technical responsibility: rebuilt from ASP/PHP and moved to FedRAMP GovCloud on a tight timeline, with near-zero downtime.

REDCap ↔ Clinical Lab Integration

Nonprofit research foundation · with a partner · 2022–2024

A secure, automated integration between REDCap and a clinical genetics lab, serving U.S. and international study sites.

Real-Time Replication & APIs — Private Equity

Commercial client · subcontractor · in production 10+ years

Read-only replica split from the transactional Investran database, current in under 10 ms; business APIs for a unified UX beside legacy front ends.

Commercial Clients

Audit, finance and health technology firms

Audit analytics pipelines, secure software, cybersecurity, and workflow automation.

// FOR VIRGINIA BUYERS

- **Micro set-aside eligible** (SWaM micro)
- **Counts toward primes' SWaM goals**
- **In-state:** Leesburg, VA; on-site statewide

// NAICS

Information Technology
518210 · **541511** · 541512 · 541519 · 541714 · 541715

Professional & Staffing
541611 · 541618 · 541690 · 541990 · 561311 · 561320

bithrive.com

Our REDCap API contribution

Bithrive

Where Bithrive Fits in Virginia

Universities · Health & Human Services · Statewide Teaming

Basis of experience. Our public-sector past performance is federal: NIH's Clinical Research Support System (NHLBI, NIAMS) since 2011, as a subcontractor, now on FedRAMP GovCloud. Our commercial work includes a production REDCap integration for a national nonprofit research foundation. **We have not yet held a Virginia state or university contract.**

Case study: REDCap ↔ clinical lab integration · National nonprofit research foundation, with a technology partner · 2022–2024

CHALLENGE	WHAT WE BUILT	RESULT
A national genetic-testing study needed participant, order, and report data to move reliably between the study's REDCap and a clinical genetics lab, across U.S. and international sites.	A secure, automated integration service that syncs participant records, assigns study IDs, places and tracks lab orders, returns genetic reports to REDCap, and notifies site staff nightly. Access is IP-restricted and hosted on AWS.	In production from 2022 to 2024. Extended in 2024 to whole-genome sequencing with at-home sample kits. Along the way we contributed a time-span export feature to the open-source REDCap API library.

01 RESEARCH

University Research Computing & Research Data

The need: *Since Jan. 25, 2025, NIH requires users of controlled-access data to attest that their systems meet NIST SP 800-171.*

- **Research data pipelines, metadata catalogs, and REDCap automation**, using the engineering behind our NIH and REDCap integration work.
- **Secure research environments**, applying our FISMA-compliant delivery experience to the controls research teams must now meet.

02 ENTERPRISE

Central IT, Administrative & Digital Services

The need: *Too many departmental applications, manual hand-offs between enterprise systems, and aging custom code.*

- **Application rationalization**: keep, retire, replace, or modernize, with cost and risk evidence for each decision.
- **Integration, workflow automation, and web or mobile apps** (React, Flutter, .NET) for students, staff, and residents.

03 HEALTH

Health & Human Services Data (DMAS, VDH)

The need: *Medicaid and public health programs that depend on integrated, trustworthy data and modern, secure systems.*

- **Health data engineering, interoperability, and cloud modernization**, building on our NIH health research data work.

04 TEAM

SWaM Partner for Primes

- **Defined subcontract scope or supplemental staff** on university and statewide contracts, counting toward the prime's SWaM plan in the micro, women-owned, and minority-owned categories.

// WAYS TO START

Micro Set-Aside
SMALL PURCHASE

A rapid assessment or proof of concept, bought directly under your micro-business set-aside.

Fixed-Price Pilot
QUOTE / RFQ

An application rationalization, data-readiness assessment, or REDCap integration pilot for one department.

Teaming
RFP / COOPERATIVE

Bithrive as prime, or as the SWaM partner on a prime's university or statewide contract.

NIH requirement: NOT-OD-24-157, *NIH Security Best Practices for Users of Controlled-Access Data* (effective Jan. 25, 2025). Purchasing thresholds and set-aside rules vary by institution.