

TRAVIS RYALS

Healthcare Technology Executive | CIO & Data Privacy Officer

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EXECUTIVE SUMMARY

Most healthcare IT problems aren't technical — they're translational. The gap between what regulators require, what clinicians need, and what the business can execute is where organizations get stuck. I close that gap.

Twenty-five years across cancer care, medical devices, and clinical research have made regulatory translation my core competency. As CIO and Data Privacy Officer at The START Center for Cancer Care, I build the infrastructure that lets clinicians focus on patients and researchers focus on breakthroughs — while maintaining the compliance rigor that regulated environments demand. I lead with mission, not just metrics.

CORE COMPETENCIES

IT Strategy & Digital Transformation · Cybersecurity & Zero-Trust Architecture · Hybrid & Multi-Cloud Infrastructure
HIPAA · GDPR · FDA CFR 21/11 · PCI-DSS · ISO 27001 · CMMC · AI/ML Strategy & Governance · Precision
Medicine & Genomics
Clinical Research Systems · SAP ERP & Enterprise Architecture · Data Analytics & Business Intelligence
P&L & Budget Management · Global IT Operations · M&A Technology Integration
Business Continuity & Disaster Recovery · Team Building & Talent Development · Change Management

KEY ACHIEVEMENTS

- Delivered 20–30% reduction in operational IT costs across multiple organizations through cloud migration, automation, and infrastructure rationalization.
- Accelerated FDA premarket approval pathway by 30% by redesigning and integrating technology systems and infrastructure at Seno Medical Instruments.
- Reduced cybersecurity incidents by 35% by implementing ISO 27001-based security frameworks with advanced threat detection and risk management protocols.
- Designed and deployed machine learning-driven genetic model systems enabling precision medicine and genomic research capabilities in active oncology settings.
- Built global IT infrastructure from the ground up across North America, Europe, and the Middle East — achieving 99.9% uptime for mission-critical ERP and clinical platforms.
- Increased system and workforce efficiency by 25–30% through strategic infrastructure optimization, automation, and process improvement across multiple organizations.

PROFESSIONAL EXPERIENCE

Chief Information Officer / Data Privacy Officer | The START Center for Cancer Care |

San Antonio, TX

2019 – Present

Leading enterprise technology strategy for a nationally recognized cancer treatment and clinical research organization. Accountable for infrastructure, cybersecurity, clinical systems, application development, and enterprise support. Serving as Data Privacy Officer with direct responsibility for HIPAA, GDPR, and PCI-DSS compliance across patient and clinical trial data.

- Designed and executed a multi-year technology roadmap aligning IT investment with clinical research priorities, infrastructure modernization, and organizational growth objectives.
- Architected hybrid cloud and SD-WAN infrastructure secured by zero-trust principles — improving performance, scalability, and resilience while reducing operational costs.
- Designed machine learning-driven genetic model systems leveraging AI and predictive analytics to advance precision medicine initiatives and enhance genomic research outcomes.
- Developed and executed an ISO 27001-based cybersecurity program, reducing security incidents by 35% through advanced threat detection, risk management, and incident response.

- Embedded HIPAA, GDPR, and PCI-DSS requirements directly into cloud architecture and data governance workflows, ensuring continuous compliance for clinical trial and patient data.
- Implemented advanced data modeling and analytics platforms improving clinical decision-making visibility and operational efficiency across care and research teams.

Vice President of Information Technology | Seno Medical Instruments |

San Antonio, TX

2016 – 2019

Led IT strategy and operations for an FDA-regulated medical device company developing breakthrough breast imaging technology. Directed security, infrastructure, cloud operations, and cross-functional system integration to support FDA premarket approval and commercial readiness.

- Accelerated FDA premarket approval pathway by 30% by redesigning and integrating business systems and infrastructure for FDA CFR 21/11 and EMA compliance.
- Deployed enterprise identity and access management framework with zero-trust security strategy, significantly reducing credential-based and insider threat exposure.
- Oversaw SAP Business ByDesign implementation, unifying finance, engineering, manufacturing, customer service, and distribution into a single integrated platform.
- Enhanced system efficiency by 25% through cloud operations optimization and infrastructure modernization programs.
- Aligned IT transformation program with corporate milestones, improving operational scalability and executive-level data-driven decision-making.

Global Director of Information Technology | CeloNova BioSciences |

San Antonio, TX

2013 – 2016

Built global IT infrastructure from the ground up for a high-growth, FDA-regulated medical device startup with operations across North America, Europe, and the Middle East. Led enterprise ERP, QMS, and cybersecurity deployments supporting manufacturing, sales, and multi-continental operations.

- Designed and deployed secure, scalable global IT infrastructure across three continents, achieving 99.9% uptime for mission-critical clinical and ERP platforms.
- Led full SAP Business ByDesign MRP/ERP and Quality Management System implementation, eliminating manual processes and enabling end-to-end operational visibility.
- Reduced IT operating costs by 20% while expanding capabilities to support rapid organizational growth across three international markets.
- Ensured all systems met FDA, ISO 13485, and international regulatory requirements, supporting continuous quality and compliance audit readiness.

EARLIER CAREER

Senior Director of Information Technology · Vickrey & Associates,

San Antonio, TX

2011 – 2013

CIO / COO · Metro Architecture,

Phoenix, AZ

2008 – 2011

Vice President of Information Technology & Operations · Kurt D. Reed Associates,

Scottsdale, AZ

2001 – 2008

EDUCATION

Bachelors, Information Systems · Boise State University

Bachelors, Business Administration · Boise State University

TECHNICAL PROFICIENCIES

Cloud Platforms: AWS, Azure, Microsoft 365, SD-WAN, Hybrid Cloud Architecture

ERP & Business Systems: SAP Business ByDesign, MRP, QMS, EHR/EMR Integration

Security Frameworks: ISO 27001, NIST CSF, Zero-Trust, SIEM, EDR

Compliance & Regulatory: HIPAA, GDPR, FDA CFR 21/11, EMA, PCI-DSS, SOX, CMMC, ISO 13485

Emerging Technologies: AI/ML Strategy, Agentic AI, Precision Medicine Data Infrastructure, Genomic Systems