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Capabilities Statement

Quantum Vision Tech (QVT) is a consulting firm specializing in research data architecture, clinical data integration, and scientific workflow design. QVT helps healthcare, biomedical research, and government organizations transform fragmented clinical, laboratory, and operational data into reliable, research-ready information assets supporting analytics, compliance, and decision-making.

Core Competencies

Research Data Architecture	Research Analytics & Data Discovery
- Longitudinal cohort data modeling - Research data warehouse design - Cross-system identity linkage - Research workflow architecture	- Cohort discovery Systems - Research reporting data structures - Analytics data set preparation - Investigator-ready datasets - Regulatory and IRB reporting support
Clinical & Research Data Integration	Data Governance & Quality
- Clinical system integration - Biological specimen inventory integration - Multi-source research dataset reconciliation - ETL pipeline design and remediation	- Audit trails and validation frameworks - Data governance and security controls - Data lifecycle management - Backup and disaster recovery planning

Past Performance

QVT leadership served as a Research Data Architect in an NIH-funded maternal-fetal research program. He was responsible for designing data infrastructures that unified clinical records, laboratory results, and biological specimen inventories into coherent longitudinal research datasets. This work focused on resolving inconsistencies across independent research systems, establishing reliable cohort identification logic, and building data pipelines that allowed investigators to confidently trace participants, specimens, and outcomes across years of study activity. He supported IRB reporting and investigator analytics.

Differentiators

30+ Years of Enterprise Data Experience – Proven record designing, integrating, and stabilizing complex data systems across research, healthcare, and enterprise environments.

Longitudinal Cohort & Biospecimen Expertise – Specialized knowledge in integrating clinical, laboratory, and biospecimen data across longitudinal research studies.

NIH-Funded Research Experience – Direct experience supporting biomedical research programs through cohort management, data integration, and investigator reporting.

Research-Centered Collaboration – Embedded partnership with investigators, coordinators, and data managers.

NAICS Codes

**** 518210 - Data Processing, Hosting, & Related Svcs**

541511 - Custom Computer Programming Services

541690 – Other Scientific and Technical Consulting Services

541512 - Computer Systems Design Services

541519 - Other Computer Related Services