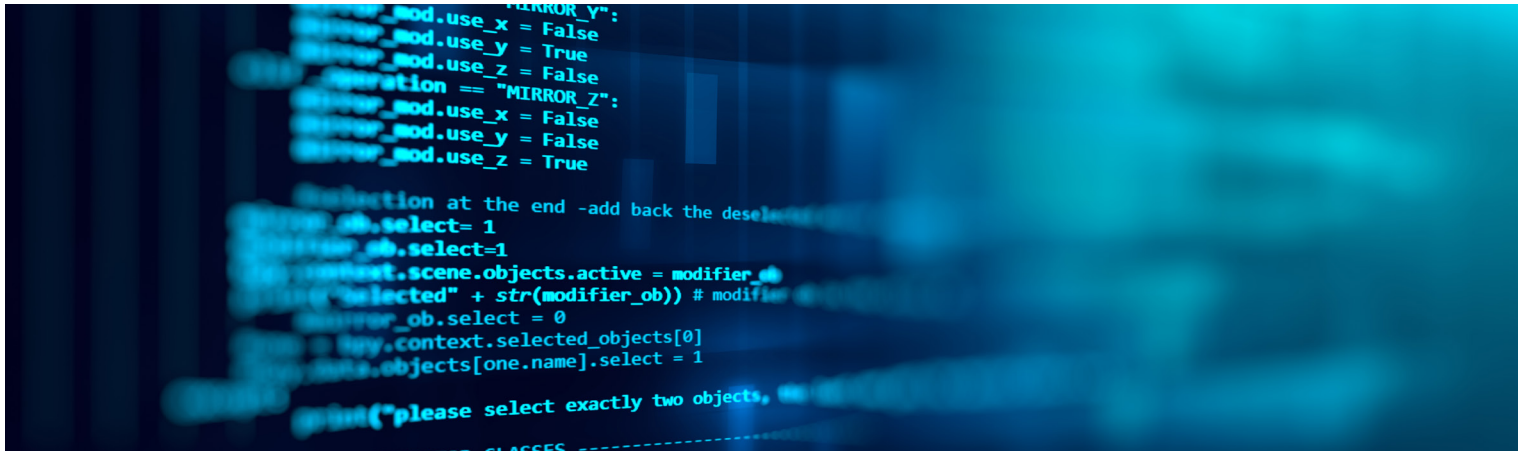**CitiusTech Healthcare Technology Practices** | Driving excellence in care delivery and outcomes

Software Excellence | Clinical Data Excellence | Technology Excellence | Quality Excellence

CitiusTech

CitiusTech has several specialized practices to help healthcare organizations address their critical business and technology needs.

CitiusTech's cross-disciplinary practice teams help architect and implement enterprise solutions, identify new opportunities and redefine business solutions.

CitiusTech has strategic partnerships with leading technology companies including IBM, Microsoft, AWS, etc. to help organizations build cutting-edge, cost-effective solutions and improve health outcomes.

The Need for Healthcare Technology Innovation

Digital innovations and various advances in technology are revolutionizing healthcare and significantly impacting care delivery. Amidst regulatory changes, and demand for better patient care and patient safety, organizations are renewing their technology capabilities and focusing on innovation more than ever before.

CitiusTech Healthcare Technology Practices: Overview

CitiusTech offers specialized healthcare technology practices to architect, design, build and test enterprise applications. CitiusTech plays a key role in enabling healthcare technology vendors, large hospitals/ integrated delivery networks (IDNs), payers, and life sciences companies to accelerate innovation in their business across care delivery models and workflows.

With CitiusTech technology expertise, organizations are able to build enterprise-wide strategies and deliver innovative solutions. Our specialized healthcare technology practices around software engineering, clinical data and analytics, emerging technologies (BI/ DWH, mobile and IoT, cloud, etc.) and quality assurance help organizations achieve excellence in healthcare delivery and outcomes. As the healthcare industry faces transformation in business and IT, CitiusTech is equipped to help organizations optimize operations, enable integrated value-based care and deliver differentiated customer value.

Software Excellence
Development Platforms
Performance Engineering
User Experience
Technical Documentation

Clinical Data Excellence
Interoperability
Big Data
BI/DWH
Clinical Analytics

Technology Excellence
Cloud Computing
Mobile & IoT
Predictive Analytics, ML, AI
Partners – IBM, Microsoft, AWS

Quality Excellence
Quality Assurance
Test Automation
Security Testing
Performance Testing

CitiusTech Healthcare Technology Practices

Healthcare Technology Practices: Key Capabilities

Software Excellence	
Development Platforms	Support for containerization, microservices, hybrid architectures, DevOps pipelines, etc.
Performance Engineering	Architectural and design support including instrumentation framework
User Experience	Optimization of healthcare application UX/UI and enable unified cross-channel UX
Technical Documentation	End-to-end documentation services with expertise in industry standard documentation
Clinical Data Excellence	
Interoperability	Secure, standards-driven information exchange across EHRs and clinical applications
Big Data	Hadoop and other big data technology capabilities for effective big data strategy implementation
BI/ DWH	Healthcare data models, EIM strategies, MDM and choice of technology
Clinical Analytics	Clinical quality and performance management across 600+ KPIs and measures
Technology Excellence	
Cloud Computing	Development of native cloud applications and migration of large healthcare applications to the cloud
Mobile & IoT	HIPAA-compliant mobile solutions, native iOS/ Android/ Windows apps etc.
Predictive Analytics, ML, AI	Expertise in statistical mining, predictive modeling, machine learning, deep learning, etc.
Partnerships – IBM, Microsoft, AWS	Cloud competency, enterprise analytics and data warehousing services
Quality Excellence	
Functional Testing	Optimum test coverage to perform V&V of healthcare applications
Test Automation	Test automation using industry platforms and CitiusTech accelerators
Performance Testing	Quantitative tests to verify speed/ effectiveness of application, network, servers, devices using advanced tools
Security Testing	Security testing of healthcare applications, infrastructure and network

CitiusTech Practices: Success Stories

- **Real-time event notification:** Use of big data technologies to build a flexible, scalable and automated subscription-based event notification and alert service

- **Cloud-based BI and analytics:** Cloud-based BI-Clinical platform for integrated clinical and financial analytics to track in-patient CQMs and comply with MU2 requirements

- **Big Data for real world clinical analytics:** Robust big data infrastructure with data lake to manage high volumes of data and for deeper interactive visualizations

- **Mobile Apps for Nephrologists:** Native apps to enhance dialysis solutions for renal care management for treating CKD and ESRD patients

- **Security testing for medical devices:** Implementation of STIGs to improve overall security and compliance and also developed security patch management process

- **Predictive analytics for denials management:** Development of ensemble model to predict denial of claims and improve client's negotiation strategy and optimize workflows

CitiusTech

About CitiusTech

CitiusTech is a specialist provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations, with over 2,700 professionals worldwide. CitiusTech's services and solutions include healthcare software development, healthcare interoperability, regulatory compliance, BI/analytics, consumer engagement, care coordination and population health management. CitiusTech helps customers accelerate innovation in healthcare through a number of solutions and accelerators for clinical quality reporting, healthcare big data, cloud computing, mobile health and predictive analytics. With cutting-edge technology expertise, world-class service quality and a global resource base, CitiusTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare clients worldwide.

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