

Digital Engineering and System Integration



Leveraging Next-gen Technology to Drive Innovation and Outcomes

Healthcare organizations face major obstacles to realizing strategic objectives and new models of care and business. Synchronized, efficient, and integrated healthcare systems are foundational to achieving value-based care, payer-provider partnerships, IP and data monetization, successful M&A, as well as any strategy that includes digital-first technology like virtual and hybrid care.

Overcoming challenges like multiple disjointed core systems, sub-optimal clinical and operational workflows, technical debt from legacy architectures, and high sustenance costs requires a healthcare and technology partner that has deep, large-scale product engineering, Cloud, and system integration experience.

With over 3,000 engineers working on product development and engineering projects for leading healthcare organizations, CitiusTech equips provider organizations to leverage emerging technologies, modern architectures, and deployment models critical to forward-looking business and care goals.

Our interdisciplinary teams use CMMI-based project quality management procedures and industry-standard frameworks, delivering end-to-end capabilities and solutions to support complex use cases

Key Offerings

Cloud Strategy

- Cloud strategy, blueprinting and ROI
- Cloud migration and sustenance
- Multi-cloud orchestration and governance
- Strategic cloud partnerships

Next-gen Product Engineering

- Human-centered UX design
- Next-gen product engineering
- Innovation factory and rapid prototyping
- QA, DevOps and cybersecurity
- Portfolio rationalization, legacy modernization and managed services

System Integration Services

- Strategy, OCM and PMO
- Integration services for provider platforms - HIE, RIS, LIS
- Support, maintenance and enhancements

Industry frameworks: Smart Scrum, Smart Code, and Smart Test

Trusted partner: Microsoft, IBM, AWS, Google

Real-world Digital Engineering and System Integration Success

Examples of product engineering, cloud and system integration solutions for customers include:

- Creating a centralized provider data repository sourcing mastered data to all upstream enterprise applications and platforms
- Building an HIE platform with blended global teams: 24x7 managed services with provider onboarding, custom configuration and ongoing support
- Implementing and supporting interoperability among numerous hospital-based labs and clinical practices across EMR platforms

Customer Value

- **Align core platforms** with business priorities
- **Accelerate time-to-value** with new working models
- **Greater ROI** through IP monetization
- **Streamline and optimize sustenance** for complex environments
- **Reduce technical debt** and sustenance costs

About CitiusTech

With 6,500+ healthcare technology professionals worldwide, CitiusTech helps leading healthcare and life sciences organizations reinvent themselves by accelerating digital innovation, leveraging next-gen technologies, and driving data convergence across the healthcare ecosystem. We provide strategic consulting, digital engineering, data, analytics & AI, specialized platforms and end-to-end solutions to over 130 organizations across the payer, provider, medtech and life sciences industries. Our key focus areas include healthcare interoperability data management, quality performance analytics, value-based care, omni channel member experience, connected health, virtual care delivery, real-world data solutions, clinical development, personalized medicine and population health management.

Our cutting-edge technology expertise, deep healthcare domain expertise and a strong focus on digital transformation enables healthcare and life sciences organizations to deliver better outcomes, accelerate growth, drive efficiencies, and ultimately make a meaningful impact to patients.

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