CitiusTech: Delivering High Performance Solutions

Healthcare organizations worldwide leverage CitiusTech's vast experience in performance analytics and its strong technology expertise to deliver high performance solutions to meet growing business needs.

Healthcare personnel depend on a wide range of mission critical applications for point-of-care decision support, clinical alerts, radiology workflows, emergency care, etc. IT teams are under constant pressure to ensure optimal application and network performance. As technology advances and care providers rely more on information systems for their day-to-day functions, system performance and its impact on various factors like quality of care and patient safety becomes a critical component of application development.

CitiusTech: Key Offerings for Application Performance

CitiusTech offers strong capabilities to help clients architect, build and test applications for scalable performance requirements. CitiusTech Performance Optimization team includes senior architects with significant experience in designing and building large scale enterprise applications, as well as strong performance testing engineers with expertise in performance management tools (e.g., LoadRunner, JMeter, etc.). CitiusTech offers a wide range of services for performance optimization including performance modeling, application profiling, performance monitoring and performance testing.

CitiusTech Approach

Requirement Analysis

 Eliciting non-functional requirements and identifying critical business workflows and growth plans

Architecture and Design Reviews

 Performance modeling to review architecture and design, determine infrastructure capacity requirements

Profiling and Optimization Services

 Profiling, unit performance testing and optimizations to application code and design, and infrastructure design

Performance Testing

 End-to-end system performance testing, results analysis and tuning using automated tools

Monitoring

 Application, systems and network performance monitoring, capturing metrics for capacity management

Performance Modeling and Capacity Planning

- Setting performance objectives and budgets
- Identifying baseline hardware
- Transaction-cost analysis & predictive analysis for capacity planning

Performance Testing

- Performing Load, Stress and Capacity testing using open source and commercial tools
- Performing workload modelling

Application Profiling and Code Optimization

Customization Help

- Evaluating application performance using open source and commercial profilers
- Analyzing application performance and suggesting code optimization

Performance Monitoring

- Monitoring resource utilization
- Measuring end user experience and business transactions for trends
- Reporting based on performance metrics

Key Focus Areas: Performance Optimization

Performance Optimzation: Technology Capabilities

- Application Performance Profiling CLR Profiler, ANTS Profiler, performance monitor, debugging tools for Windows, Google Insights, Telerik Fiddler, SQL Profiling, VisualVM, JProfiler
- Code Optimization Image optimizations, domain sharding, JavaScript and CSS, instrumentation, SQL indexing and tunir
- Performance Testing Apache JMeter, HP LoadRunner, WAPT, Microsoft Visual Studio
- Performance Monitoring Zahhiy Ann Dynamics New Relic Dynatrace
- Performance Measurement Technology-based accelerators to ease instrumentation for performance measurement and visualization

