



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

- General Information
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1379271
Procurement Type: Central Master Agreement
Vendor ID: 000000118062
Legal Name: 22ND CENTURY TECHNOLOGIES INC
Alias/DBA:
Total Bid: \$769,537.60
Response Date: 03/06/2024
Response Time: 12:26
Responded By User ID: govt@tscti.com
First Name: Shikha
Last Name: Sharma
Email: sledbids@tscti.com
Phone: 804-372-0704

SO Doc Code: CRFQ
SO Dept: 0210
SO Doc ID: ISC2400000011
Published Date: 3/1/24
Close Date: 3/6/24
Close Time: 13:30
Status: Closed

Solicitation Description: Addendum No 1 -Professional Database Engineer (OT24116)

Total of Header Attachments: 1
Total of All Attachments: 1



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1379271
Solicitation Description: Addendum No 1 -Professional Database Engineer (OT24116)
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2024-03-06 13:30	SR 0210 ESR03062400000004665	1

VENDOR
 000000118062
 22ND CENTURY TECHNOLOGIES INC

Solicitation Number: CRFQ 0210 ISC2400000011
Total Bid: 769537.5999999999767169356346 **Response Date:** 2024-03-06 **Response Time:** 12:26:42
Comments: TSCTI has provided one response file containing the Proposed Personnel Resume, Designated Contact Form, Certification and Signature Form, Contract Manager Details Form, and Addendum Acknowledgement Form.

FOR INFORMATION CONTACT THE BUYER
 Toby L Welch
 (304) 558-8802
 toby.l.welch@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Professional Database Engineer - YR1	2080.0000	HOUR	89.760000	186700.80

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Professional Database Engineer - Optional YR2	2080.0000	HOUR	91.560000	190444.80

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Professional Database Engineer - Optional YR3	2080.0000	HOUR	93.390000	194251.20

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Professional Database Engineer - Optional YR4	2080.0000	HOUR	95.260000	198140.80

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.



22nd Century Technologies, Inc.

CMMI Level 3 | ISO 27001 | ISO 20000 | ISO 9001



State of West Virginia

**Centralized Request for Quote Service –
Professional Database Engineer (OT24116)**

Solicitation No.: CRFQ 0210 ISC2400000011

Due Date: March 6, 2024@ 1:30 PM

Submitted by:

**Ashley Christina De Sa, Administrator
22nd Century Technologies, Inc.**

Local Office: 5098 Washington St W, Cross Lanes, WV 25313, USA

Headquarters: 8251 Greensboro Drive, Suite 900, McLean, VA 22102

Phone: (866) 537-9191 Ext 2 | Fax: 732-537-0888 | Email: sledproposals@tscti.com

22nd Century claims that the information contained in our proposal is confidential and proprietary. We believe that the data contained in the proposal like contact information of proposed staff, technical and management approach, proposed subcontractor, and price quote. Disclosure of this information can be used by our competitors to underprice us on future bids, reverse-engineer aspects of 22nd's approach, lure away subcontractors or key employees. Thereby we request the government to provide us the opportunity to provide a redacted copy of our response for FOIA and protect the undue advantage of FOIA disclosure.



Cover Letter

Date: March 06, 2024

State of West Virginia – Department of Administration

22nd Century Technologies, Inc. (TSCTI) is pleased to respond to the West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Office of Technology (WVOT), which has released this Centralized Request for Quote (CRFQ) with the title **Professional Database Engineer (OT24116) and Solicitation No. CRFQ 0210 ISC240000011**, is seeking the services of a vendor to provide a Professional Database Engineer.

Incorporated in 1997 in the State of New Jersey, TSCTI is a nationwide staffing service provider. We have more than 26 years of immense experience in providing Professional Database Administrator with strategic initiatives and optimal technical solutions to various Federal, State, and Local government agencies. Our services are appraised by Capability Maturity Model Integration (CMMI) Level 3, International Organization for Standardization (ISO) 9001:2015, 20000-1:2011, and 27001:2013 and based on PMBoK and ITIL standards. With the D&B open rating score of 93, we have been successfully serving our customers with top-notch customer satisfaction.

TSCTI affirms its commitment to furnishing the "**HIPAA Business Associate Addendum**" prior to the award.

TSCTI hereby acknowledges the receipt of Addendum #1 released on March 1, 2024. Furthermore, TSCTI agrees to all the rules, procedures, terms, and conditions specified in this solicitation without any exception. We have limited our response to the specific items described in the solicitation and strongly believe that our response meets the requirements of the WVOT, if the WVOT determines that our response is deficient in any way, we respectfully request to be promptly notified and be allowed to correct any such deficiency.

Authorized Signatory,

Ashley Christina De Sa, Administrator
22nd Century Technologies, Inc.

Headquarters: 8251 Greensboro Drive, Suite 900, McLean, VA 22102

Phone: (866) 537-9191 Ext 2 | **Fax:** 732-537-0888

Email: sledproposals@tscti.com



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Proposed Personnel Resume

Khurram Shahzad / Database Engineer

Brief Profile

Khurram Shahzad is a seasoned Database Engineer with over 18 years of extensive experience across various facets of **database management**. His expertise spans DB development, performance optimization, administration, tuning, and application support. **Proficient in server migration, consolidation, and virtualization**, utilizing platforms like VMWare and Azure Cloud. He has a strong background in DB programming, **ETL processes**, server installation, backup & recovery, high availability setups, and **schema development/change management**. Skilled in various programming languages including **SQL, T-SQL, PL/SQL**, Visual Basic, and scripting languages like **PowerShell and VBScript**. He is also proficient in Crystal Report Writer. Holds certifications as a **Microsoft Certified Professional for SQL Server**, Oracle Certified Professional, and DB2 UDB Certified Database Associate. He is well-versed in SCRUM development methodology and ensures compliance with standards such as SOX, PCI DSS, and HIPAA. With experience in both Windows and UNIX/Linux system administration, he has worked extensively with COTS and ERP systems like **MS Great Plains Dynamics**, MS Solomon, Oracle Financials, MS CRM, PeopleSoft JD Edward, and HRMS. He also possesses a deep understanding of industries including mining/natural resources, healthcare, financial, and credit card industries. He is known for his collaborative approach, strong communication skills, and ability to lead projects while effectively mentoring junior team members.

Education/Certifications

- Bachelor of Science.
- Diploma in Computer Science
- Microsoft Certified Professional for Microsoft SQL Server
- Oracle Certified Professional
- DB2 UDB Certified Database Associate
- Microsoft Certified Solution Developer Course
- Windows and Linux system administration courses.

Skills

Databases:	SQL Server, Oracle, Sybase Adaptive Server, MySQL, DB2 UDB, Teradata, MS Access, FoxPro.
Operating Systems:	Windows NT/2k/2003/2008/2012, SCO UNIX, AIX, Red Hat Linux 9.0, Windows 98/7/8.
Software Configuration:	Serena PVCS, Visual SourceSafe, Team Foundation Server, SVN.
Modeling Tools:	Erwin, Visio.
Programming Languages:	SQL, T-SQL, PL/SQL, Visual Basic, VBA, PowerShell.
BackOffice Servers:	MOSS 2007, Microsoft Transaction Server (MTS), Internet Information Server (IIS), Samba, Tomcat Apache, FTP, DHCP, DNS, sendmail.
Helpdesk/Ticketing:	Bugzilla, HEAT (Helpdesk Expert Automation Tool), HP Service Center. CA Service Desk, ServiceNow.
Project Management:	MS Project, Clarity.

Relevant Professional Experience

Sr. Database Engineer (Sr. Database Consultant), Cognizant, John Hancock, MA (Oct 2020 – Present)

Responsibilities:

- Handling **vulnerability management**, DB/ server hardening, and **patch management using Qualys**.
- Developing run books, inventory, and SOPs for off-shore team and client.
- Developing unattended **SQL Server installation** and baseline scripts.
- Leading a 24x7 team of **SQL Server, Oracle, and MySQL DBAs** for non-SAP Oracle and **SQL Server environments**.
- **Migrating and managing applications in Azure SQL**, managed instances, and Azure VMs. Managing backups for DB Recovery using native SQL and Avamar. Working on **tablespace management**, code deployment, schema compares and **user management in Oracle** using Toad for Oracle and BRTools (for SAP). L1 support for Oracle.
- Managing transactional replication for **reporting instances in SQL Server. Monitoring**, code reviewing optimizing, and performance tuning including **index management**, statistics update, and server customization for the VLDB environment.
- Managing DB refreshes and recuts from PROD to QA, UAT, and demo (POC) **environments in SQL Server**.
- Identifying and implementing RBAC with the Data Quality and Governance team for Snowflake and EDW DataLake.
- Identifying and implementing Time travel for critical tables. Participating in **EDW DataLake migration to Snowflake**.
- **Migrating Snowflake from Snowflake Cloud services to AWS Cloud**. Coding deployment experience for Snowflake.
- **Migrating offline backup storage** from the Data domain to **Azure storage for SQL Server**.
- Participating in replacing PowerEdge 940s for existing 4 node clusters on 840s.
- Participating in Quarterly releases for major plants in AMER, APEC, and EMEA. Managing Redis updates during monthly patching. Engaging with the NetApp team to identify remove reduce redundant copies of refreshed DB in lower environments, saving 150TB of storage. Participating in POC for **SQL Server containerization** in RHEL and DataDog for monitoring.
- **Environment: SQL Server 2014/2016/2017/2019**, Oracle 9i/11g/12c, **T-SQL**, SSIS, SSRS, Microsoft BIDS, **SQL Server Data Tools**, **mySQL**, Oracle Enterprise Manager, **Hyland OnBase**, Snowflake, **Azure SQL**, Azure VM, **PowerShell 4.0**, VMWare, vSphere, **C#.NET**, **ASP .NET**, **Entity Framework**, **ADO.NET**, Avamar, ServiceNow, Atlassian JIRA/ Confluence.



Consultant Senior Database Administrator, Audacious Inquiry (A healthcare IT company), Baltimore, MD (Mar 2018 – October 2020)

Responsibilities:

- **Handled server migrations for MS SQL Server 2008 R2/ 2012 to SQL Server 2016/2017/2019. Managed server migration** using ADMTool for Windows domain membership and re-ACLing the servers, AD groups, and **SQL service accounts**.
- **Architected and managed HA** using technologies like AlwaysOn (including multi-subnet), Clustering, and DB mirroring.
- **Architected RPO and RTO for VLDBs and participated in annual DR testing. Implemented Enterprise backup strategy per RTO/ RPO SLAs. Migrated applications to AWS using AWS DMS, S3, and S3 Glacier. Also used Snowball occasionally.**
- **Developed/ implemented backup strategies for DB Recovery using native SQL, MySQL Enterprise Backup (MEB tool), and Commvault backups. Managed transactional replication for reporting instances in SQL Server and MySQL.**
- **Monitored, code optimizing, and performance tuning for healthcare-related applications including index management, statistics update, and server customization for the VLDB environment. Participated in Quarterly releases for major clients**
- **Utilized Query Store for identifying expensive queries and recommendations resulting in DB Performance enhancement up to 40%. Handled code review and sign-off for SPs, DB objects, and SSIS packages.**
- **Implemented TDE encryption for SQL Server and MySQL Enterprise. Prepared POC for Docker containers in SQL Server 2019. Involved in enterprise-wide server patching to DB servers with minimum downtime in coordination with the Infrastructure and Windows admin team. Established server monitoring using Solarwind and SQLDM.**
- **Handled DB refreshes from PROD to UAT and Demo environments in SQL Server, MySQL, and PostgreSQL.**
- **Involved with Microsoft for SQL Server and IBM for IBM Initiate MDM support.**
- **Environment: SQL Server 2012/2014/2016/2017/2019, Ubuntu, Encounter Notification Service (ENS), Mirth, IBM Initiate 10.x, ULP, CAIIPR (eCQM Reporting), T-SQL, SSIS, SSRS, Hyland OnBase, Microsoft BIDS, SQL Server Data Tools, MySQL Enterprise, PostgreSQL, C#.NET, ASP .NET, Entity Framework, ADO.NET, Amazon Web Services (RDS, EC2, S3), PowerShell 4.0, VMWare, vSphere, MEB tool, CommVault, Atlassian JIRA/ Confluence, ServiceNow, SQL Diagnostic Manager.**

Senior Database Administrator, CacheMatrix (A Blackrock Inc. Company), Denver, CO (Apr 2017 – Feb 2018)

Description: BlackRock is a global leader in **investment management, risk management**, and advisory services for institutional and retail clients with 5.4 trillion AUM. Cachematrix powers corporate liquidity investment platform solutions for many of the world's leading financial institutions.

Responsibilities:

- **Involved in server migration and transitioning process including AD migration** between CacheMatrix and BlackRock in Denver and Atlanta Data Centers. **Architected RPO and RTP objects for VLDBs and participated in annual DR testing.**
- **Worked on server and DB migration for MS SQL Server 2008 R2/ 2012 to SQL Server 2014/ 2016 Datrium DVX virtualization. Architected and managed High Availability using technologies like AlwaysOn (including multi-subnet).**
- **Developed and implemented backup strategies for DB Recovery using native SQL and RedGate backups.**
- **Monitored, coded optimization, and handled performance tuning for cash management applications for financial clients including index management, statistics update, and server customization for the VLDB environment.**
- **Involved in server patching to DB servers with minimum downtime in coordination with the INO and Infrastructure team.**
- **Managed DB refreshes from PROD to UAT and Demo environments.**
- **Participated in Quarterly releases for major clients. Managed transactional replication for reporting instances.**
- **Environment: SQL Server 2012/2014/2016, T-SQL, SSIS, SSRS, Hyland OnBase, Microsoft BIDS, SQL Server Data Tools, PowerShell 4.0, VMWare ESX 6.0, C#.NET, ASP .NET, Entity Framework, ADO.NET, vSphere, RedGate SQL Toolbelt.**

Production Database Administrator-Contractor, AT&T/ Directv, Denver, CO (Dec 2015 – Mar 2017)

Responsibilities:

- **Involved in server migration and decommissioning process across Denver and Phoenix data centers. Administered 200+ production instances of SQL Server 2005/ 2008 R2/ 2012 and 2014 clusters including OMS VLDB OLTP system.**
- **Monitored and troubleshooted Always On, Active/ Passive clustering, mirroring, and log-shipping for HA and transactional replication for data movement. Handled server migration to Azure for development and testing servers.**
- **Introduced Geo-redundant backups for Azure DBs and restored as-promise databases.**
- **Managed and troubleshooted Oracle Golden Gate replication between SQL Server and Teradata. Participated in on-call rotation. Involved in code deployment, windows, and SQL Server patching during off-hours.**
- **Handled DB refreshes from PROD to QA and TEST environments. Managed Adhoc MySQL DB administration using WorkBench and backups mySQLDump and MySQL Enterprise Backup (MEB).**
- **Environment: SQL Server 2005/2008 R2/2012/2014, T-SQL, MySQL, SSIS, SSRS, Hyland OnBase, Microsoft BIDS, SQL Server Data Tools, PowerShell 4.0, VMWare ESX 5.5/6.0, vSphere, Avamar, SCOM, CA Service Desk, Idera Diagnostic Manager, C#.NET, ASP .NET, Entity Framework, ADO.NET, HP Service Manager, Windows 2003/ 2008/ 2012, HP UX.**

Lead Database Administrator-Contractor, Newmont Mining Corporation, Denver, CO (Sept 2013 – Nov 2015)

Responsibilities:

- **Involved in consolidation and migration project for 350+ SQL Server instances across North America, South America, Africa, and**



APAC regions under Win2k/AD project using VMWare ESXi 5.5 and Azure. Documented current **SQL Server inventory**, instance summary, and prioritized consolidation. Actively involved in **SQL Server Licensing**.

- **Migrated mySQL, MS Access, and SQL Server 2000 to SQL 2008 R2/2012** (servers & DBs) in a VMware environment.
- Worked with VMWare ESXi 5.5 (Configuring VMs, performance monitoring, datastores, etc.) using vSphere client 5.5 and vCenter Server 5.5. Created and modified existing Dev/ Test and PROD **SQL Server 2008 R2/ 2012/ 2014** templates in VMWare ESX 5.5 environment using MSFT best practices.
- **Handled DB Servers migration from VMWare 4.1 to VMWare 5.5.**
- Enabled CPU, and Mem hot plug on **SQL VMs** to allow adding CPU and memory without downtime for VMs.
- Monitored Disk spaces and storage expansion (VMDK) in ESX 5.5 VMWare for virtual DB Servers. Applied Service Packs and was involved in Enterprise-wide Server patching to DB Servers with minimum downtime in coordination with NOC.
- Monitored, code optimizing, and performance tuning for AMT, Cintellate, Mineman, Labware LIMS (**Laboratory Information Management System**), and **Land Management System (LMS)**. Handled DB refreshes from PROD to QA and TEST environments for the above-mentioned systems in MS Azure. Troubleshooting Long Running Queries and Optimizing SPs.
- Managed offshore Tier 1 & 2 DBAs for **SQL Server and Oracle**, providing 24x7x365 support to all Newmont regions.
- Participated in Root Cause Analysis reviews for ITIL processes and Change Advisory Board meetings.
- Involved and recommended ePO rollout for Antivirus in all regions. Monitored and resolved incidents and alerts generated by SCOM, Solarwind, and 3rd party tools, scheduled jobs & failures for **OLTP & OLAP servers**.
- Configured SSIS packages to set up data flow to warehouse DBs for **Reporting Purposes**.
- Developed and implemented backup strategies for DB Recovery using **native SQL** and Avamar backups.
- Ensured High Availability using AlwaysOn, Clustering, DB mirroring, Log shipping, and replication.
- Controlled performer for Internal monthly and quarterly MRCDs (Manuel Review Control Documents) and SOX audits and participated in Change Advisory Board (CAB) meetings and reviews.
- Acted as DB Subject Matter Expert and sign-off primary contact during ITO transition to off-shore vendor.
- **Environment: SQL Server 2005/2008 R2/2012/2014, T-SQL, Oracle 9i, PL/SQL, MySQL, Microsoft Access 97, VBA, SSIS, SSRS, Visual Studio .NET, Microsoft BIDS, SQL Server Data Tools (SSDT), Microsoft Assessment and Planning Tool (MAP), ApexSQL, PowerShell 4.0, C#.NET, ASP .NET, Entity Framework, ADO.NET, VMWare ESX 5.5, vSphere, Avamar, SCOM, CA Service Desk, Solarwind, Service Now, Windows 2003/ 2008/ 2012, HP UX.**

Lead SSIS Architect, Mutual of Omaha/ EB Gateway, Tampa, FL (Feb 2013 – Sept 2013)

Responsibilities:

- Actively involved in upgrading **SQL 2000** and **SQL Server 2005 to SQL Server 2012**. Architected and set up SSIS environment in Visual Studio 2010 and **SQL Server 2012**.
- Converted DTS packages and ActiveX controls to SSIS and databases using **SQL Server Data Tools 2012 (SSDT)**.
- Developed SSIS packages for importing data from CSV, text, Excel, **SQL Server**, Oracle, and other data sources.
- Managed backups, data refresh, and **user management for QA**, Test, and Production environments.
- Implemented experience in LOAD, Import/ Export, DB2MOVE, INGEST, REORG, RUNSTATS and REBIND.
- Tuning and recommendations for **SQL queries** for better performance using snapshot monitor, visual explain, index advisor, and db2expln. Implemented DB encryption using AES_256 and Transparent Data Encryption (TDE).
- **Implemented Policy Management** for consistent database object development.
- Researched and analyzed AlwaysOn features for future upgrades. Worked on schema and code synchronization of PROD, QA, and Dev environments using Visual Studio Schema Compare and SSDT.
- Managed performance review and optimization of existing stored procedures. Defined indexing mechanism for long-run queries and automated maintenance jobs. Set up peer-to-peer replication for the **reporting database**.
- **Environment: SQL Server 2000/2008 R2/ 2012, DB2 UDB, SQL Server Data Tools 2012 (SSDT), MS BIDS, SSIS, Dynamics GP, SVN/ Visual SVN, PowerShell scripting.**

Database Analyst-Consultant, Capital One Bank, Richmond, VA (Aug 2012 – Jan 2013)

Responsibilities:

- Analyzed business requirements and built logical and physical data models that describe all the data and relationships between the data for IAM Datamart data warehousing. Converted DTS packages to SSIS.
- Managed monthly and quarterly refresh of CMDB across regions for Dev, Test, and QA environments.
- **Migrated DTS packages** and automated jobs from **SQL Server 2000 to SQL Server 2008 R2**. Developed SSIS using multiple transformations to meet business requirements by extracting data from Oracle, Sybase, **MySQL**, and CSV.
- Used SSRS to create reports, customized Reports, on-demand reports, and ad-hoc reports from Netezza data.
- **Environment: SQL Server 2000/2008 R2, SSIS, SSRS, PowerShell scripting, Oracle, HPSM, Clarity.**

Database Consultant, Grafftech International, Cleveland, OH (Apr 2011 – Apr 2012)

Responsibilities:

- Architected and set up transactional replication for JD Edward and PeopleSoft in a clustered environment.
- Monitored and modified replication agents to optimize performance during data loads.



- Developed and managed backups, security, and change control under SOX compliance for JDE, Kronos, and OnBase.
- Analyzed, tested, and documented backup/ recovery procedures and maintenance jobs with missing backups.
- Worked with OnBase 7 upgradation to 11 on **SQL Server 2005 to SQL Server 2008 R2**.
- Handled quarterly data archival and refreshed TEST, CRP, and Training environments within defined SLA.
- Participated in Index, replication, and overall DB performance optimization and capacity planning processes for JD Edwards, OnBase, and Kronos databases. Developed scripts for missing OCM mappings in JD Edward.
- **Wrote and managed ETL routines** to load data to and from 3rd party tools including OnBase, Kronos, and Trax.
- Developed application users, and configured ODBC connections for OnBase and Kronos applications.
- Resolved various performance issues by running the Database Consistency Checks DBCC command.
- Used **SQL Server Profiler to monitor the performance, Debug Transact-SQL statements**, and stored procedures in existing applications, to identify slow-running queries, etc.
- Reviewed and **documented db management process controls**, risks, and sign-off documents.
- **Environment: SQL Server 2000/2005/2008 R2**, Oracle 9i, IBM Netezza, **T-SQL**, DTS, SSRS, **Visual Studio .NET**, MS TFS, JD Edward OneWorld XE, PeopleSoft HRMS, Pivotal CRM, OnBase 11, Kronos, NetIQ Manager, Clarity, red-gate, VMWare, **Windows 2003/ 2003 R2/7/XP**.

Database Consultant, Microsoft, Washington, DC (Jan 2009 – Mar 2011)

Description: The Microsoft Health Solutions Group (HSG) is a business group offering the Healthcare & Life Science (HLS) industry innovative mission-critical healthcare IT solutions for delivering quality patient care and achieving operational excellence.

Responsibilities:

- Designed, implemented, and maintained large-scale **SQL Server databases supporting mission-critical enterprise healthcare applications** Amalga UIS and HealthVault for John Hopkins University Health System, San Joseph Health System, DHHS, and New York Presbyterian Hospital. Implemented peer-to-peer replication for **SQL Server 2008 R2**.
- Performed row-level comparison between Publisher and Subscriber databases using TableDiff for replication failure.
- Assisted Integration System Analysts with data interface analysis, configuration, and verification activities.
- Assisted Application Analysts in the setup and administration of **SQL Reporting Services** and developing user views, reports, input screens, dashboard visualizations, alerts, and forms.
- Assisted Server Analysts with server hardware planning and baseline DB configuration for system performance.
- **Environment: SQL Server 2005/2008, T-SQL**, SSIS, Amalga UIS, HealthVault, HIPPA, HL7, **Dynamics GP**, MS CRM, **Visual Studio .NET**, MS TFS, **Windows2003 R2** and Windows 7.

Prior Experience

Client	Position	Duration	Environment
Virginia Department of Motor Vehicle, Richmond, VA	Database Administrator	Jul 2008 – Dec 2009	SQL Server 2005/2008, Transact-SQL, DB Mail, SSIS, SSRS, MOSS 2007, MS TFS, Oracle, Imp/Exp, Adabase, Enterprise Architect 7.1, Visual Studio .NET, Team Foundation Server, IIS, Clarity, HP Service Center, Windows2003 and Windows XP.
MCG Capital Corporation, Arlington, VA	DBA-Contractor	Nov 2007 – Jun 2008	SQL Server 2005, Transact-SQL, DB Mail, DTS/ SSIS, SSRS, Erwin, MS Solomon, Fiserv, Visual Studio .NET, Team Foundation Server, Windows 2003, and Windows XP.
National Labor Relations Board (NLRB).Washington DC	Team Lead/ SQL Applications DBA	Feb 2007 – Oct 2007	SQL Server, Transact-SQL, DTS, Delphi, Erwin, Serena PVCS, IIS, Crystal Reports, Windows 2003 and Windows XP.
Kendle International, Inc., Cincinnati, OH	SQL Developer-Contractor	Dec 2006 – Feb 2007	SQL 2000/2005, T-SQL, DTS, IIS, MySQL, Erwin, Crystal Report, Windows 2000/2003 & Windows XP.



Designated Contact

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Ashley Christina De Sa

(Address) 8251 Greensboro Drive, Suite 900, McLean, VA 22102

(Phone Number) / (Fax Number) (866) 537-9191 Ext 2 / (732)-537-0888

(email address) sledproposals@tscti.com



Certification and Signature

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

22nd Century Technologies, Inc.

(Company)

Ashley De Sa

(Signature of Authorized Representative)

Ashley Christina De Sa, Administrator March 05, 2024

(Printed Name and Title of Authorized Representative) (Date)

(866) 537-9191 Ext 2 / (732)-537-0888

(Phone Number) (Fax Number)

sledproposals@tscti.com

(Email Address)

Revised 8/24/2023



Contract Manager Details

11. MISCELLANEOUS:

11.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Isha Sharma, Contract Manager

Telephone Number: (866) 537-9191 Ext 2

Fax Number: (732)-537-0888

Email Address: sledproposals@tscti.com



Addendum Acknowledgement Form

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: CRFQ ISC24*011

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor’s representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

22nd Century Technologies, Inc.

Company

Authorized Signature

March 5, 2024

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012