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.

Welcome, Christopher W Seckman

Solicitation Response(SR) | Dept: 0802 | ID: ESR04282500000006579 | Ver.: 1 | Function: New | Phase: Final | Modified by batch , 05/06/2025

Header @ 2

List View

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

Procurement Folder:	1640548	SO Doc Code:	CRFQ
Procurement Type:	Central Master Agreement	SO Dept:	0802
Vendor ID:	VS0000010082	SO Doc ID:	DMV2500000004
Legal Name:	MSys Inc	Published Date:	4/28/25
Alias/DBA:		Close Date:	5/6/25
Total Bid:	$8,320,000.00	Close Time:	13:30
Response Date:	04/28/2025	Status:	Closed
Response Time:	16:49	Solicitation Description:	Mainframe Application Programmer Technical Staffing Services
Responded By User ID:	ankurmsys	Total of Header Attachments:	2
First Name:	ankur	Total of All Attachments:	2
Last Name:	msys		
Email:	ankur@msysinc.com		
Phone:	5107974965		

Proc Folder:	1640548
Solicitation Description:	Mainframe Application Programmer Technical Staffing Services
Proc Type:	Central Master Agreement

Solicitation Closes	**Solicitation Response**	**Version**
2025-05-06 13:30	SR 0802 ESR04282500000006579	1

VENDOR
VS0000010082
MSys Inc

Solicitation Number:	CRFQ 0802 DMV2500000004				
Total Bid:	8320000	**Response Date:**	2025-04-28	**Response Time:**	16:49:11
Comments:					

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@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	Mainframe Application Programmer Technical Staffing Services				8320000.00

Comm Code	Manufacturer	Specification	Model #
81111600			

Commodity Line Comments:

Extended Description:

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.

EXHIBIT A - PRICING PAGE

MAINFRAME APPLICATION PROGRAMMER ANALYSTS				
LOCATION - 5707 MacCorkle Avenue, S.E., Charleston, WV 25304				
Item Number	**Quantity**	**Description**	**Hourly Rate**	**Annual Total**
Year One	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Year One	$98.00	$1,960,000.00
Optional Year Two	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Two	$102.00	$2,040,000.00
Optional Year Three	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Three	$106.00	$2,120,000.00
Optional Year Four	20,000 (8x2500 hrs)	Application Programmer Analysts Contract Cost for 1 year based on hourly rate - - Optional Year Four	$110.00	$2,200,000.00

** THIS AMOUNT IS FOR EVALUATION PURPOSES ONLY**

Request for Proposal
Mainframe Application Programmer Technical Staffing Services
Solicitation No: CRFQ 0802 DMV2500000004
Submitted to:
Attention: John W Estep
Department of Administration, Purchasing Division
2019 Washington Street East
Post Office Box 50130, Charleston, WV 25305-0130
Phone: 304-558-2566
Email: john.w.estep@wv.gov

Due Date: May 06, 2025

Submitted By
Rajamani Thiyagarajan, President
MSys Inc.
1025 Connecticut Ave, NW Suite 1000
Washington, DC 20036
Phone: 202-629-0353 x701
Fax: 510-280-7352
rfpresponse@msysinc.com
www.msysinc.com

Cover Letter

May 06, 2025

Attention: John W Estep
West Virginia Office of Technology (WVOT)

In reference to ***Solicitation# CRFQ 0802 DMV2500000004 for Mainframe Application Programmer Technical Staffing Services,*** MSys, Inc. (hereafter referred as "MSys") is hereby submitting its technical quote, demonstrating its capability of meeting requirements of this solicitation.

MSys' strategic IT services and solutions focus on enhancing business performance of its clients by streamlining processes, reducing organizational risk and leveraging the global sourcing/ outsourcing organizational model. We have worked with clients in a wide range of industries to help them leverage the strengths of IT to optimize their business performance and produce value driven results.

MSys's quality consulting services are designed to help organizations achieve operational excellence through process solutions. We provide consulting services across three core areas:

- IT governance
- Software Engineering Infrastructure
- Operations

Key Contracts/ Clients

GSA Schedule 70 (132-51)	State of Kentucky
Department of Defense	State of Maine
Department of Education	State of Maryland
Department of Labor	State of Michigan
California Multiple Award Schedules	State of Arkansas
City of Phoenix, AZ	State of Oklahoma
County of Durham, NC	State of Oregon
Dallas Independent School District, TX	State of Pennsylvania
State of Arizona	State of South Carolina
State of Colorado	State of Minnesota
State of Delaware	State of North Carolina
State of Iowa	State of Utah
State of Virginia	State of Vermont
Sacramento Municipal Utility District, CA	Department of Labor, Licensing & Regulation, MD
Department of Justice	Administrative Office of the Courts, NC

With this submission, MSys acknowledges to receipt of Addendums and acceptance to terms and conditions detailed in this solicitation by West Virginia Office of Technology (WVOT).

Have any queries, feel free to reach me!

Sincerely

Rajamani Thiyagarajan, President
MSys, Inc.
Phone: (202) 629-0353 x701
Email: rfpresponse@msysinc.com

Table of Contents

Required Forms

	Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130	**State of West Virginia** **Centralized Request for Quote** **Info Technology**

Proc Folder:	1640548		**Reason for Modification:**
Doc Description: Mainframe Application Programmer Technical Staffing Services			
Proc Type:	Central Master Agreement		

Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2025-04-07	2025-05-01 13:30	CRFQ 0802 DMV2500000004	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON   WV   25305
US

VENDOR

Vendor Customer Code: VS0000010082

Vendor Name : MSys, Inc.

Address :

Street : 1025 Connecticut Ave, NW Suite 1000

City : Washington

State : DC   Country : USA   Zip : 20036

Principal Contact : Rajamani Thiyagarajan

Vendor Contact Phone: (202) 629-0353 x701   Extension:

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X   FEIN# 56-1862003   DATE May 01, 2025

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

ADDITIONAL INFORMATION

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Motor Vehicles (DMV) to establish a contract for technical mainframe application programmer technical staffing services. This will be an Open-End services contract that will provide the services of Mainframe Application Programmer Analysts. Per the Bid Requirements, Specifications, Terms and Conditions attached to this contract.

INVOICE TO			SHIP TO	
DIVISION OF MOTOR VEHICLES			DIVISION OF MOTOR VEHICLES	
5707 MACCORKLE AVE. S.E., SUITE 200			RECEIVING AND PROCESSING	
			5707 MACCORKLE AVENUE, S.E. SUITE 200	
CHARLESTON	WV		CHARLESTON	WV
US			US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Mainframe Application Programmer Technical Staffing Services				

Comm Code	Manufacturer	Specification	Model #
81111600			

Extended Description:

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2025-04-17

	Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130	**State of West Virginia** **Centralized Request for Quote** **Info Technology**

Proc Folder:	1640548		**Reason for Modification:**
Doc Description:	Mainframe Application Programmer Technical Staffing Services		ADDENDUM NO_1 Vendor Questions & Responses
Proc Type:	Central Master Agreement		

Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2025-04-08	2025-05-01 13:30	CRFQ 0802 DMV2500000004	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000010082

Vendor Name : MSys, Inc.

Address :

Street : 1025 Connecticut Ave, NW Suite 1000

City : Washington

State : DC	Country : USA	Zip : 20036

Principal Contact : Rajamani Thiyagarajan

Vendor Contact Phone: (202) 629-0353 x701   Extension:

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X _____   FEIN# 56-1862003   DATE May 01, 2025

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

ADDITIONAL INFORMATION

ADDENDUM NO_1

Addendum No_1 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Motor Vehicles (DMV) to establish a contract for technical mainframe application programmer technical staffing services. This will be an Open-End services contract that will provide the services of Mainframe Application Programmer Analysts. Per the Bid Requirements, Specifications, Terms and Conditions attached to this contract.

INVOICE TO	SHIP TO
DIVISION OF MOTOR VEHICLES	DIVISION OF MOTOR VEHICLES
5707 MACCORKLE AVE. S.E., SUITE 200	RECEIVING AND PROCESSING
	5707 MACCORKLE AVENUE, S.E. SUITE 200
CHARLESTON WV	CHARLESTON WV
US	US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Mainframe Application Programmer Technical Staffing Services				

Comm Code	Manufacturer	Specification	Model #
81111600			

Extended Description:

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2025-04-17

Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130	**State of West Virginia** **Centralized Request for Quote** **Info Technology**

Proc Folder:	1640548		**Reason for Modification:**
Doc Description: Mainframe Application Programmer Technical Staffing Services			ADDENDUM NO_2 To Add Revised Exhibit A Pricing Page
Proc Type:	Central Master Agreement		

Date Issued	Solicitation Closes	Solicitation No	Version
2025-04-10	2025-05-01 13:30	CRFQ 0802 DMV2500000004	3

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON   WV   25305
US

VENDOR

Vendor Customer Code: VS0000010082

Vendor Name : MSys, Inc.

Address :

Street : 1025 Connecticut Ave, NW Suite 1000

City : Washington

State : DC   **Country :** USA   **Zip :** 20036

Principal Contact : Rajamani Thiyagarajan

Vendor Contact Phone: (202) 629-0353 x701   **Extension:**

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X _[signature]_   **FEIN#** 56-1862003   **DATE** May 01, 2025

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

ADDITIONAL INFORMATION

ADDENDUM NO_2

Addendum No_2 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Motor Vehicles (DMV) to establish a contract for technical mainframe application programmer technical staffing services. This will be an Open-End services contract that will provide the services of Mainframe Application Programmer Analysts. Per the Bid Requirements, Specifications, Terms and Conditions attached to this contract.

INVOICE TO		SHIP TO	
DIVISION OF MOTOR VEHICLES		DIVISION OF MOTOR VEHICLES	
5707 MACCORKLE AVE. S.E., SUITE 200		RECEIVING AND PROCESSING	
		5707 MACCORKLE AVENUE, S.E. SUITE 200	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Mainframe Application Programmer Technical Staffing Services				

Comm Code	Manufacturer	Specification	Model #
81111600			

Extended Description:
Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2025-04-17

12. MISCELLANEOUS:

12.1 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: _____Rajamani Thiyagarajan_____

Telephone Number: ___(202) 629-0353 x701_____

Fax Number: _510 280 7352_____

Email Address: ___rfpresponse@msysinc.com_____

Company Capability

MSys Inc., founded in 1994 and headquartered in Washington, DC, stands as a premier provider of IT services and solutions, specializing in enterprise applications and integrated business solutions. With a global presence and offices spanning multiple continents, MSys has established itself as a trusted partner for both government agencies and Fortune 500 companies. Our reputation is built on delivering high-quality, cost-effective services that drive tangible business value while maintaining the highest standards of technical excellence and client satisfaction.

Our comprehensive portfolio of technical services encompasses critical areas including programming and application development, infrastructure management, database administration, desktop support, and GIS solutions. We excel in delivering network and security services, telecommunications solutions, archival and records management, public safety radio systems, and professional graphics and web design. This broad spectrum of capabilities enables us to serve as a one-stop solution provider for complex IT initiatives.

MSys distinguishes itself through several key differentiators that set us apart in the IT consulting landscape. Our technical excellence is demonstrated through our team of certified professionals who possess deep domain expertise across various technologies and industries. We implement proven methodologies and best practices while maintaining a strong focus on innovation and emerging technologies. Our strategic partnerships with leading technology vendors ensure that our clients have access to cutting-edge solutions and support.

Our client-centric approach is fundamental to our success. We develop tailored solutions that align precisely with business objectives, implement proactive risk management strategies, and emphasize knowledge transfer to ensure long-term client success. Our 24/7 support capabilities demonstrate our commitment to client service excellence. Quality and security are paramount in our delivery approach, with rigorous quality assurance processes, a security-first development methodology, and strict adherence to industry standards and compliance requirements.

MSys brings extensive experience in serving state and local government agencies, including successful engagements with the State of North Carolina Administrative Office of the Courts, Department of Justice, US Attorney General Office, and various state departments of labor, motor vehicles, healthcare, and human services. This deep understanding of government operations and requirements positions us uniquely to serve State's IT consulting needs.

Our project management and staffing approach ensures consistent delivery excellence through structured methodologies, dedicated engagement managers, and rigorous resource screening processes. We emphasize continuous training and professional development for our team members, maintaining a strong focus on retention and career growth. This approach enables us to provide stable, highly qualified teams for our clients' projects.

Quality assurance is integrated into every aspect of our delivery model. We implement comprehensive testing across all project phases, utilizing both automated and manual testing capabilities. Our focus on performance and security testing, regular quality audits, and continuous process improvement ensures that our deliverables meet the highest standards of quality and reliability.

The MSys value proposition combines technical expertise for solving complex IT challenges with cost-effective solutions that drive business value. We provide reliable support and maintenance services while fostering innovation through emerging technologies. Our approach to risk mitigation and compliance ensures that our clients' interests are protected throughout the engagement lifecycle.

Our commitment to client success is demonstrated through our focus on building long-term relationships, delivering high-quality solutions on time and within budget, and providing exceptional customer service. We maintain transparency and open communication throughout our engagements, ensuring that our clients are fully informed and engaged in the process. Our support for clients' strategic objectives goes beyond project delivery to include strategic consulting and guidance for future initiatives.

As State of OK's potential IT consulting partner, MSys offers the experience, capabilities, and commitment necessary to deliver exceptional value and drive successful outcomes. Our comprehensive service offerings, proven track record, and unwavering focus on client success make us uniquely qualified to meet the State's IT consulting needs and support its strategic objectives.

Strategic Capabilities

MSys offers a wide range of strategic capabilities to support clients in their digital transformation journeys. These include:

- **Data & Analytics:** Providing cloud, big data, and predictive analytics solutions that turn data into valuable business insights.
- **Business Process Services:** Enhancing performance, productivity, and driving growth initiatives with industry-specific consulting expertise.
- **Organizational Change Management:** Supporting executives in navigating strategic and transformational challenges to drive successful organizational change.
- **Customer Relationship Management:** Delivering expert solutions to help businesses build strong, lasting connections with their customers.
- **Digital Transformation:** Enabling organizations to create consistent and engaging digital experiences across all touchpoints, unlocking new growth opportunities.
- **Supply Chain Optimization:** Re-engineering supply chains to improve global trade, transportation, distribution, planning, and forecasting.
- **Business & IT Strategy:** Creating business strategies that maximize value, manage complex changes, and define new operating models for global companies.
- **Enterprise Architecture Services:** Helping businesses stay agile by aligning with emerging technologies and ensuring they can leverage new opportunities.
- **Enabling Infrastructure:** Building and managing IT infrastructures that meet the demands of a rapidly changing business environment.
- **Program Management:** Offering industry-leading program management consulting to drive successful business transformations.
- **Quality Engineering and Assurance:** Providing rigorous testing processes to ensure the highest quality of service for clients.

MSys's consulting solutions span several industries, including Healthcare, Public Sector, Natural Resources, Financial Services, Enterprise Management, Governance, Infrastructure, and Privatization. The company has extensive experience delivering both vertical and integrated management consulting services, providing clients with significant return on investment.

MSys has provided management consulting services to several high-profile organizations, including the MN Judiciary, the Department of Labor, Licensing and Regulations MD, and the South Carolina Department of Human Services and Social Services. Through these relationships, MSys has earned a reputation for delivering exceptional service, achieving high client satisfaction, and continuously raising the bar for quality, cost containment, and on-time delivery.

MSys remains dedicated to providing the best solutions for its clients. The company's commitment to excellence is reflected in its approach to every project, offering the most senior consultants and breakthrough service strategies to ensure outstanding results, regardless of the circumstances. This dedication to client success and continual improvement defines MSys as a leader in the IT services industry. MSys offers extensive expertise in the design, development, modernization, and maintenance of **mainframe applications**, providing end-to-end solutions for organizations that rely on legacy systems. With deep proficiency in mainframe platforms, MSys stands out by blending decades of experience with modern development methodologies, ensuring your organization can leverage the power of mainframe systems while driving efficiency and future-proofing your infrastructure.

Key Capabilities:

- **Comprehensive Mainframe Expertise -** MSys has an experienced team skilled in **COBOL, JCL, DB2, CICS, and IMS**. Our developers have worked on complex mainframe applications, including transaction processing systems, batch processing, and database management systems, allowing us to deliver highly reliable and secure solutions tailored to your needs.
- **Mainframe Modernization -** We specialize in modernizing legacy mainframe applications by re-engineering, re-hosting, and transitioning them to more scalable and flexible environments. MSys follows a structured approach, which includes automated code transformation, data migration, and service-oriented architecture (SOA) integration, reducing technical debt while ensuring business continuity.

- **Legacy System Integration -** MSys excels in integrating mainframe applications with modern enterprise systems. Whether you need to link mainframe data with cloud applications, ERP systems, or new web-based front ends, MSys has the expertise to ensure seamless connectivity and data flow across your IT ecosystem.
- **Robust Testing and Optimization -** To ensure high performance and availability, MSys implements rigorous **performance testing**, **load testing**, and **security auditing** for mainframe applications. Our testing process ensures that applications run optimally, even under heavy transaction loads, and remain secure from vulnerabilities.
- **End-to-End Lifecycle Management -** MSys supports the entire **application lifecycle**, from initial design and development to post-deployment support. We provide ongoing maintenance, ensuring that the system is always up-to-date and running efficiently, with proactive monitoring and continuous improvements.
- **Skilled in Batch and Transactional Processing -** With extensive experience in **batch processing** and **transactional applications**, MSys offers reliable solutions to optimize your mainframe workloads, ensuring high-speed processing, minimal downtime, and adherence to strict SLAs.
- **Cross-Platform Compatibility -** MSys bridges the gap between mainframe and modern technologies by developing hybrid solutions that enable smooth operation across different platforms (mainframe, cloud, distributed environments), enhancing your organization's agility and operational efficiency.
- **Compliance and Security -** Our team understands the strict regulatory requirements that govern many industries (finance, healthcare, government). MSys adheres to **compliance standards** and implements security protocols to ensure that your mainframe applications meet all industry standards for data protection and confidentiality.
- **Skilled Workforce -** MSys prides itself on its team of skilled professionals who bring a wealth of experience in legacy systems. Our developers are proficient in **mainframe languages**, such as **COBOL, PL/I**, and **Assembler**, and are trained in modern techniques to enhance legacy system functionality.
- **Client-Centric Approach -** MSys works closely with clients to understand their unique business challenges and delivers tailored solutions that align with their specific objectives. From legacy system maintenance to complete application redesign, MSys offers a flexible and personalized approach that meets each client's strategic goals.

Why Choose MSys for Mainframe Application Development:
- **Proven Track Record**: MSys has successfully delivered mainframe application development and modernization projects for diverse industries, including **financial services**, **government**, **healthcare**, and **telecommunications**.
- **Future-Ready Solutions**: MSys ensures that your mainframe applications are ready to meet the demands of future technologies, positioning your organization for ongoing success in a digital-first world.
- **Efficiency and Cost-Effectiveness**: By optimizing mainframe applications, MSys helps you maximize the value of your existing IT infrastructure while minimizing operational costs and resource usage.

Experience

Client	Services Provided
Cognoscentio/ Liberty Mutual	Project focused on upgrading and modernizing outdated mainframe systems to enhance performance, scalability, and compatibility with modern technologies. The goal is to improve system reliability and ensure long-term supportability, while also preparing for cloud integration if required. • **Legacy System Audit**: A detailed assessment of existing mainframe systems, including hardware, software, and processes to identify areas for improvement. • **Migration Strategy**: A comprehensive roadmap outlining the steps and best practices for migrating from legacy systems to modern architectures. • **Updated Mainframe Infrastructure**: A fully upgraded and optimized mainframe environment, incorporating updated tools, processes, and technologies to ensure future scalability and performance.

Value Momentum/ Geico	Project involved refactoring and optimizing legacy applications that run on mainframe platforms to improve performance, scalability, and maintainability. The aim was to minimize technical debt, enhance user experiences, and improve efficiency in business processes without a complete system overhaul. • **Refactored Application Code**: Updated and optimized application code to improve performance, remove obsolete dependencies, and increase efficiency in data processing. • **Performance Benchmarks**: A set of performance benchmarks to evaluate the improvements in application speed, reliability, and resource utilization post-refactoring. • **Testing Documentation**: Comprehensive documentation of test cases, execution plans, and results to ensure the applications function as intended post-re-engineering, including regression testing.
Oklahoma Department of Career and Technology Education	Project developed a comprehensive disaster recovery (DR) strategy for critical mainframe systems to ensure data availability and business continuity in the event of a system failure or disaster. It involved designing backup and recovery processes, as well as performing failover tests to ensure all recovery mechanisms are effective and efficient. • **Disaster Recovery Plan**: A detailed, step-by-step DR plan that includes identification of critical systems, processes for restoring operations, and communication protocols. • **Backup and Recovery Testing**: A series of tests to simulate disaster scenarios, ensuring that backup systems work correctly and recovery times meet business requirements. • **Risk Assessment**: A comprehensive analysis of potential risks and vulnerabilities in the mainframe environment, along with mitigation strategies to reduce downtime and data loss.