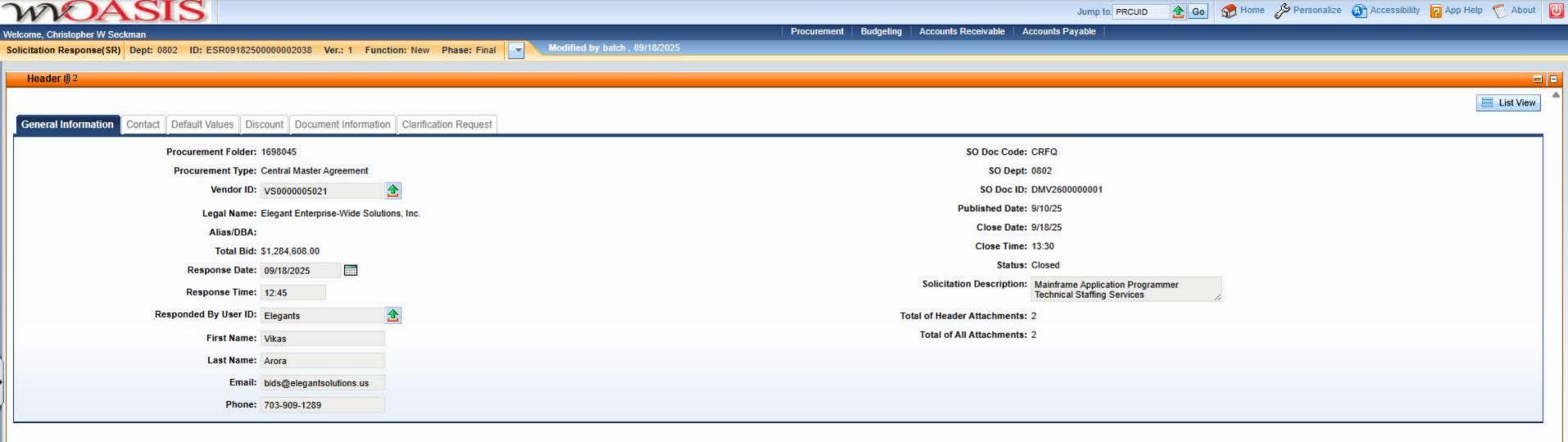
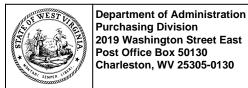


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

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.





# State of West Virginia Solicitation Response

Proc Folder: 1698045

Solicitation Description: Mainframe Application Programmer Technical Staffing Services

Proc Type: Central Master Agreement

 Solicitation Closes
 Solicitation Response
 Version

 2025-09-18 13:30
 SR 0802 ESR09182500000002038
 1

**VENDOR** 

VS0000005021

Elegant Enterprise-Wide Solutions, Inc.

Solicitation Number: CRFQ 0802 DMV2600000001

**Total Bid:** 1284608 **Response Date:** 2025-09-18 **Response Time:** 12:45:23

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

Date Printed: Sep 19, 2025 Page: 1 FORM ID: WV-PRC-SR-001 2020/05

| Line | Comm Ln Desc                     | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|----------------------------------|-----|------------|------------|-----------------------------|
| 1    | Mainframe Application Programmer |     |            |            | 1284608.00                  |
|      | Technical Staffing Services      |     |            |            |                             |

| 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.

Date Printed: Sep 19, 2025 Page: 2 FORM ID: WV-PRC-SR-001 2020/05

# **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 - Regular Time | 2,080 hours | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
|                         |             | hourly rate, regular time hours Year One                          |             |              |
|                         |             |   | \$95.00     | 197600       |
| Year One - Overtime     | 832 hours   | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
|                         |             | hourly rate, overtime hours Year One                              |             |              |
|                         |             |   | \$142.50    | 118560       |
| Optional Year Two       | 2,080 hours | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
| Regular Time            |             | hourly rate, regular time hours Optional Year Two                 |             |              |
|                         |             |   | \$96.00     | 199680       |
| Optional Year Two       | 832 hours   | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
| Overtime                |             | hourly rate, overtime hours Optional Year Two                     |             |              |
|                         |             |   | \$144.00    | 119808       |
| Optional Year Three     | 2,080 hours | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
| Regular Time            |             | hourly rate, regular time hours Optional Year Three               |             |              |
|                         |             |   | \$97.00     | 201760       |
| Optional Year Three     | 832 hours   | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
| Overtime                |             | hourly rate, overtime hours Optional Year Three                   |             |              |
|                         |             |   | \$145.50    | 121056       |
| Optional Year Four      | 2,080 hours | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
| Regular Time            |             | hourly rate, regular time hours Optional Year Four                |             |              |
|                         |             |   | \$98.00     | 203840       |
| Optional Year Four      | 832 hours   | Application Programmer Analysts Contract Cost for 1 year based on |             |              |
| Overtime                |             | hourly rate, overtime hours Optional Year Four                    |             |              |
|                         |             |   | \$147.00    | 122304       |

<sup>\*\*</sup> THIS AMOUNT IS FOR EVALUATION PURPOSES ONLY\*\*



# Request For Quote

West Virginia Division of Motor Vehicles (WV DMV)

**Mainframe Application Programmer Technical Staffing Services** 

Solicitation No: CRFQ 0802 DMV2600000001

Due Date: September 18, 2025

### **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

# **Submitted by:**

Elegant Enterprise-Wide Solutions, Inc. 24035 Whitten Farm CT

Aldie, Virginia - 20105-2767

**Phone:** 703-909-1289 | **Fax**: 703-722-6628

Email: govt@elegantsolutions.us

www.elegantsolutions.us

#### **Point of Contact**

Vikas Arora

**Phone:** 703-909-1289

Email: govt@elegantsolutions.us

















#### **Cover Letter**

Sep 18, 2025

Attention: John W Estep

West Virginia Division of Motor Vehicles(WV DMV)

Successfully achieving the mission objectives of **[West Virginia Division of Motor Vehicles]** requires a staffing partner who not only understands the complexities of the public sector but can also deliver elite, reliable talent with speed and precision. In response to Solicitation **[CRFQ 0802 DMV2600000001]**, Elegant Enterprise-Wide Solutions, Inc. ("Elegant Solutions") is pleased to present this proposal, detailing our proven ability to provide exceptional IT consulting and staffing services that directly support your agency's goals.

For 23 years, we have been a trusted partner to government entities nationwide. Our approach is built on a foundation of verified excellence, designed to minimize your risk and maximize your return on investment.

- Our ISO 9001:2015, ISO 20000, and ISO 27001 certifications provide you with independently verified assurance that our processes will protect your sensitive data and deliver consistent, highquality outcomes.
- Our deep experience serving over half of U.S. states through 80+ active contracts ensures we
  understand the nuances of government requirements and can navigate them effectively on your
  behalf.

We build enduring partnerships through unwavering integrity and transparency, aligning our solutions with your specific objectives to deliver cost-effective and innovative results. The enclosed proposal demonstrates our capabilities and confirms our acceptance of all solicitation terms and conditions.

We are confident in our ability to provide **[WV DMV]** with superior service and look forward to becoming a valued partner in your success. Should you have any questions, please do not hesitate to contact me.

Once again, thank you for your time and consideration.

Sincerely

Vikas Arora, President

Elegant Enterprise-Wide Solutions, Inc.

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#### **COMPANY CAPABILITY**

Founded in 2001 and headquartered in Aldie, VA, Elegant Solutions is a premier provider of IT staffing for public and private sector clients nationwide. We are an agile, results-driven organization dedicated to a single principle: transforming our clients' challenges into mission success. By seamlessly integrating elite talent with cutting-edge technology and industry best practices, we don't just meet contractual goals—we deliver tangible, lasting value. Our ranking in the top 10-15% of suppliers for major customers is a testament to our unwavering focus on excellence..

As an architect of strategic transformation for government organizations, Elegant Solutions combines decades of domain expertise with disciplined management practices to build solutions that are perfectly tailored, on-time, and on-budget. Our mission is to ensure our clients realize the full business value of their technology investments. We serve as strategic partners, applying our thought leadership and innovative thinking to craft strategies tailored to your unique challenges: At a Glance:

| Approach / Attribute                               | Client Benefit & Outcome   |
|--|--|
| Technology-Enabled & Certified Processes           | ISO 9001:2015-certified Quality Management System (QMS) and Al-driven talent intelligence platform enable workflow automation, reduce operational overhead, and deliver measurable cost efficiencies.                        |
| Dedicated Service & Support                        | Client Success Management model provides a single point of accountability via a dedicated Account Manager, reducing governance complexity and ensuring tailored, proactive engagement.                                       |
| Proven Employee Retention                          | High-retention strategies reduce turnover-related disruption, preserving institutional knowledge and ensuring workforce resilience — critical for continuity in long-term and high-impact projects.                          |
| Horizontal Scalability (Fulfillment Network)       | On-demand access to niche talent through a curated ecosystem of qualified subcontractors, enabling rapid scale-up/down with minimal downtime or procurement lag.   |
| Vertical Scalability (Prime Contractor Experience) | Ability to shift from transactional staffing to strategic outcomes. Backed by experience managing 100+ public sector contracts, we offer program-level governance, SLA enforcement, and robust risk mitigation capabilities. |

Elegant Solutions delivers a competitive edge through next-generation IT, BPS, and consulting services, all centered on the transformative power of automation. Our digital solutions are engineered to deliver two critical outcomes for your business: superior operational excellence and enhanced customer satisfaction. We are driven by a passionate global team united by a strategic vision for innovation. Our core focus is to equip you with the tools and strategies needed to achieve unparalleled customer intimacy. This is powered by our unique **Bottom-Up Disruption** initiative, which leverages collective ingenuity to solve practical challenges and foster sustainable business growth. Ultimately, Elegant Solutions is defined by the success of its clients.

Elegant Solutions aims to be the premier provider of cutting-edge IT staffing solutions, consistently surpassing client expectations through innovation, supporting the professional growth of our employees, and maintaining the highest standards of quality, diversity, and global impact. We strive to set the benchmark for leadership and excellence in the ever-evolving staffing industry. Our focus is on cultivating a dynamic, diverse workforce, driving innovation, and ensuring unparalleled quality. Above all, we are committed to driving our clients' success while fostering an environment where our team can thrive and grow professionally.

#### Capability

Elegant Solutions understands the West Virginia Division of Motor Vehicles' (WVDMV) urgent need for reliable and experienced mainframe application programming services. With over 23 years of proven expertise, we are uniquely positioned to deliver robust and scalable solutions that address WVDMV's complex technology environment. Our team brings deep knowledge of IBM Mainframe programming, COBOL, CICS, DB2, JCL, and database analysis, combined with hands-on experience in DMV systems. We employ a structured approach that includes thorough system audits, collaborative development

practices, and agile methodologies to ensure efficient project management and the delivery of high-quality solutions aligned with WVDMV's evolving needs.

As a recognized leader in software development and staffing services, Elegant Solutions specializes in crafting tailored solutions that meet the unique requirements of each client. Our services span the entire software development lifecycle, from initial conception and design through implementation, testing, and long-term maintenance. Our skilled professionals excel in mainframe application development, designing, enhancing, and maintaining enterprise-level systems that comply with regulatory standards and support mission-critical operations. In addition, our migration strategies minimize disruption and downtime, while our rigorous testing processes guarantee reliability, performance, and user satisfaction.

We place strong emphasis on ongoing support and maintenance, offering 24/7 services to keep client systems fully operational. Our ISO certification and CMMI Level 3 appraisal demonstrate our commitment to industry best practices and continuous improvement. Through comprehensive training programs, documentation, and knowledge transfer, we empower DMV teams to operate and maintain the solutions we deliver, ensuring long-term self-sufficiency and operational resilience.

Elegant Solutions also specializes in developing custom software solutions designed for maximum flexibility and adaptability. Our agile delivery model allows us to respond rapidly to changing requirements while upholding the highest standards of quality. We prioritize interoperability, ensuring our solutions integrate seamlessly with modern platforms like cloud services, mobile applications, and third-party systems, future-proofing your investment. Our strong focus on user-centric design results in intuitive interfaces that boost staff productivity and efficiency.

With decades of experience in mainframe technologies, our service portfolio covers all aspects of modernization and optimization. We deliver:

- ✓ Agile Enhancements Developing critical updates and new features to keep your DMV systems responsive and aligned with changing business requirements.
- ✓ **Assured Regulatory Compliance** Ensuring all applications and modifications strictly adhere to federal and state mandates, eliminating the risk of non-compliance.
- ✓ **Strategic Legacy Modernization –** Preserving essential functionality while enabling the DMV to leverage the power and efficiency of modern technologies.
- ✓ **Performance Optimization** Proactively identifying and resolving system bottlenecks to ensure smooth, high-volume transaction processing.
- ✓ **Ironclad Security & Data Integrity –** Protecting sensitive DMV data with robust encryption, access controls, and comprehensive audit trails.
- ✓ Scalability & Flexibility Architecting modular solutions that grow with the DMV and adapt to future operational demands.
- ✓ **Seamless System Integration –** Engineering secure and reliable data exchange between the mainframe and other critical platforms.
- ✓ Comprehensive Knowledge Transfer Providing detailed documentation and training to ensure your team can manage systems effectively.

By selecting Elegant Solutions, WVDMV gains a partner with the technical depth, regulatory awareness, and service delivery experience needed to modernize and support its mission-critical systems. Our commitment to quality, security, and innovation ensures that DMV receives not only the expertise required today, but also the forward-looking solutions necessary to support tomorrow's demands.

### **Experience Working with State of West Virginia**

| Clients  |      | Services Provided                            |
|----------|------|--|
| DOA,     | West | Prequalification Agreements IT Temp Staffing |
| Wirginia |      |  |

#### **Experience Working with Mainframe Programming**

| Clients         | Services Provided  |
|-----------------|--|
| County of       | Elegant Solutions demonstrated excellence in Application Development by delivering |
| Santa Clara, CA | innovative solutions that effectively addressed key challenges and contributed to  |

project success. We utilized a strategic set of tools and technologies, including COBOL applications and Web Services development within the mainframe environment, using IBM DB2, COBOL, CICS, and JCL. The development process followed structured methodologies, emphasizing high cohesion, low coupling, normalization, and adherence to naming standards. We prioritized configuration-management control and adherence to System Change Notice (SCN) procedures. Elegant Solutions played a crucial role in developing and testing Mainframe code for consuming interface messages, enforcing business rules, and analyzing existing interface programs. Essential tools like COBOL, IBM DB2, CICS, and JCL were utilized, explicitly focusing on setting up and testing SOAP Web services in the mainframe. The team effectively documented transaction flows using proficient tools, ensuring clear and comprehensive communication throughout the project. The following highlights the solutions provided in the specific areas outlined in the Application Developer.

- Efficient Code Development and Testing: Elegant Solutions demonstrated excellence in developing and testing code within the mainframe environment. Our team implemented efficient coding practices and robust testing methodologies, ensuring the consumption of interface messages and seamless enforcement of business rules.
- Enhancement of Existing Interface Programs: Elegant Solutions effectively improved program functionality by analyzing legacy interface programs. Our team navigated through complex legacy systems, introducing improvements to accommodate evolving business rules and data requirements
- Successful Implementation of SOAP Web Services: Elegant Solutions overcame challenges in setting up and testing SOAP Web services on the mainframe, providing practical solutions. Our team ensured the successful implementation of SOAP Web services, creating reliable integration points for other systems, particularly those invoked from the Software AG Enterprise service bus.
- Comprehensive Transaction Flow Documentation: Elegant Solutions addressed the challenge of documenting transaction flows with a solution-oriented approach. Our team created clear and thorough documentation, enabling stakeholders to understand the intricacies of data processing and the key factors involved in maintaining transaction integrity.
- Integration with Software AG Enterprise Service Bus: Elegant Solutions seamlessly integrated with the Software AG Enterprise service bus through strategic solutionsEstablishing well-defined integration points, our team ensured a cohesive architecture and effective communication between the mainframe and other systems.
- Adherence to Industry Best Practices: Elegant Solutions adhered to industry best practices in navigating the complexities of Application Development. Our team's commitment to established standards ensured the delivery of a robust and reliable solution that met industry benchmarks.
- Proactive Problem Identification and Mitigation: Proactively identifying and
  mitigating potential security concerns, Elegant Solutions provided strategic
  solutions aligned with identified risks. This approach established a robust security
  framework and ensured the security and integrity of the developed applications.
- Clear and Concise Technical Documentation: Solutions provided by Elegant Solutions extended to documentation practices. Our team generated clear and concise technical documentation, adhering to industry standards. Facilitated transparent communication, decision-making, and ease of understanding for all stakeholders.

State of Maryland, Department of Labor, Licensing and Regulation

of Maryland Overpayment Case Management System (MDOCS) And PC/Web Programming Support Personnel

Elegant Solutions spearheaded a transformative initiative in collaboration with MD mswis. This transformative initiative included upgrading the outdated technology infrastructure by migrating legacy systems from Windows Server 2003 and SQL Server 2005 to more secure environments like Windows Server 2012 and SQL Server 2016.

They introduced the Microsoft Visual Studio 2008/2010 for creating intuitive web application interfaces, utilized Infragistics for enhancing controls in .NET, ASP.NET, and Windows forms, and implemented FileBound as a robust content management system to ensure document security, compliance, and disaster recovery. The backbone of the project relied on SQL Server 2005/2016 databases seamlessly integrated through SQL Server Integration Services (SSIS) architecture. Additional tools such as Crystal Reports.NET and Microsoft Reporting Services were utilized for generating insightful reports, IDM CICS Transaction Gateway and Universal Client for mainframe connections, and Internet Applications suite for efficient online interactions.

Elegant Solutions is currently providing PC and Web Programming support to Maryland Department of Labor, Licensing and Regulations (DLLR) on Maryland Overpayment Case Management System (MDOCS) since April 2015. Our team has delivered extraordinary support on this legacy system and worked with the LABOR to modernize its handling and operation. Our team has demonstrated collaborated teaming efforts while working with the LABOR project team and its users.

Elegant Solutions is engaged on this initiative since early beginning of the new system. We have gained enormous understanding and knowledge on the new system's architecture and its functionality. Elegant Solutions will continue to deliver services of current project team for troubleshooting and correcting issues and to provide a knowledge transfer bridge to the staff that will be supporting the new system. There are small and in-depth functionality and logic from legacy system which may not be incorporated yet into Beacon. Our approach and methodology will be to continue finding those gaps and closing them. First, our approach here is an agile and iterative approach:

- 1. Find gaps in Beacon whereas the functionality in the old legacy system is not covered in new system Beacon
- 2. Code, incorporate and test those gaps
- 3. Integrate test to find impact analysis
- 4. Automate as much activities like monitoring process to reduce the cost for the client
- 5. Putting the lessons learned from maintaining legacy application of MDOCS into Beacon. This includes many small details which will make Beacon very robust and reliable.
- 6. Since we understand the need to scale the MDOCS functionality and its various aspects, we can provide valuable input regarding scalability in horizontal and vertical direction.
- 7. Challenges arising out of moving an application from legacy applications (heterogeneous environment) to Beacon must be well handled.

This strategic technological advancement, coupled with rigorous security protocols and compliance measures, ensured scalability, compatibility, and future-proofing of MD DLLR's systems, leading to streamlined operations and fortified system integrity. Through proactive strategies and implementation prowess, Elegant Solutions successfully deployed solutions that revolutionized MD DLLR's operations, ensuring streamlined processes, increased efficiency, and fortified system integrity.

- Technology Modernization and Upgradation: Elegant Solutions orchestrated the modernization and upgrade of MD DLLR's aging technology infrastructure. This initiative involved migrating legacy systems, formerly reliant on outdated platforms like Windows Server 2003 and SQL Server 2005, to more resilient and secure environments such as Windows Server 2012 and SQL Server 2016. This seamless transition ensured minimal operational disruptions during the comprehensive upgrade process.
- Automated Case Management System: Elegant Solutions spearheaded the implementation of MDOCS, an automated case management system designed to streamline the management of unemployment insurance overpayment cases. This cutting-edge system automated various critical processes, including case entry, document management, workflow automation, and data synchronization. By

- automating these workflows, it significantly reduced manual errors and processing delays, enhancing operational efficiency.
- Integration and Collaboration Enhancement: Elegant Solutions excelled in integrating disparate databases, web applications, and document management systems within MD DLLR. This integration strategy enhanced data accessibility and facilitated seamless information exchange and collaboration among various departments and stakeholders. By implementing robust interfaces and efficient data transfer mechanisms, Elegant Solutions optimized collaboration among different systems, fostering improved operational cohesion.
- Security and Compliance Measures: Our team implemented rigorous security
  protocols and compliance measures within the MDOCS system. This
  encompassed robust document security, disaster recovery protocols, and strict
  compliance adherence frameworks. These measures ensured the safeguarding of
  sensitive information related to overpayment cases while ensuring compliance with
  industry standards and regulations.
- Technological Advancement and Scalability: Elegant Solutions played a pivotal
  role in introducing modern technologies and best practices within MD DLLR's
  systems. Leveraging tools like Microsoft Visual Studio 2010/2008, Infragistics, and
  FileBound, they ensured the adoption of contemporary practices for development,
  database management, and document handling. This strategic move enhanced
  scalability, compatibility, and future-proofing of the systems, enabling seamless
  growth and adaptability to evolving requirements.

### MNLARS, the Minnesota Licensing and Registration System, MN

**the** Elegant Solutions took charge of the development phase, leading scrum teams with a focus on creating a scalable and modular system.

- Scalable and Modular System: Proactively employing C# fundamentals and Object-Oriented (OO) principles, our team utilized LAMBDA expressions, Generics, and Interfaces while adhering to coding standards and best practices. Leveraging the .NET Framework, including ASP.NET, ADO.NET, ASP.MVC, WEB API, Entity Framework, LINQ, and Dependency Injection ensured the development of a flexible architecture.
- Test Driven Development (TDD): Implementing Test Driven Development (TDD) techniques, we utilized testing frameworks like NUnit and Visual Studio Unit Test for JavaScript and . NET. This rigorous testing approach ensured the highest code quality by verifying functionality against predefined specifications.
- Complex Coding Challenges: Tackling intricate issues in systems such as Driver's Licenses, Vehicle Titles, and Finance, our team applied Oracle and SQL Server expertise to relational databases, utilizing normalization, PL-SQL or T-SQL, and optimization techniques effectively.
- Minimum Viable Product (MVP) Delivery: Successfully achieving development milestones, we delivered the Minimum Viable Product (MVP) for both Vehicle Services and Driver's License Services. Proficiency in ASP.NET, WEB API, and other web services frameworks enabled the timely release of fully functional products.
- Agile Development and Collaboration: Remaining agile, we addressed enhancements and additional deliverables as they arose. Utilizing JavaScript fundamentals and rich client frameworks like Angular, Bootstrap, and Knockout fostered collaboration within scrum teams.
- Commitment to Excellence: Demonstrating a commitment to excellence, our team actively participated in community technology events, mentored junior staff, and developed accessible user interfaces compliant with WCAG 2.0. This dedication ensured a robust development phase for the MNLARS project.

### Orchestra Technologies

- Executed Database Conversions from Data Com queries to DB2 queries in the COBOL Programming language, alongside comprehensive testing of the applications.
- Assumed responsibility for Estimation, analysis of business requirements, and

|              | documentation preparation, including Use Case diagrams, Functional                                     |
|--------------|--|
|              | requirements, and traceability metrics.  |
|              | • Engaged in impact analysis, system design, development, code writing,                                |
|              | modification of existing code for batch and online applications, and program                           |
|              | debugging in MVS.  |
|              | Developed Test Plans and Test data for Unit Testing by conducting Production                           |
|              | Data Analysis and simulating production scenarios in test regions.                                     |
|              | <ul> <li>Analyzed and documented the necessary information for data mappings and</li> </ul>            |
|              | specifications completion.   |
| DHA,Inc.     | • Developed, maintained, and enhanced mainframe applications using COBOL, JCL,                         |
|              | CICS, VSAM, and DB2.   |
|              | <ul> <li>Analyzed client requirements and delivered system modifications and</li> </ul>                |
|              | enhancements to improve performance.   |
|              | Provided production support, troubleshooting critical issues, and ensuring minimal                     |
|              | downtime.  |
|              | Performed code reviews, optimization, and testing to maintain quality and reliability                  |
|              | of applications.   |
|              | Supported both batch and online processing, ensuring accurate job execution and                        |
|              | system integration.  |
|              | Managed DB2/VSAM data operations, migrations, and ensured data integrity and                           |
|              | security. Collaborated with business analysts, testers, and system architects to                       |
|              | align deliverables with project goals.   |
| Web          | <ul> <li>Investigated system and programming issues, proposing solutions and suggesting</li> </ul>     |
| Professional | design enhancements for improved efficiency.   |
| Consultants  | Managed intricate programming tasks, crafting mainframe applications utilizing                         |
|              | COBOL, CICS, VSAM, and DB2. Analyzed product specifications and translated                             |
|              | them into detailed system functionalities through collaboration with internal teams                    |
|              | and clients.   |
|              | <ul> <li>Developed architectural components and standards to meet business needs.</li> </ul>           |
|              | Formulated system and program test plans and procedures, generated test data,                          |
|              | and conducted unit testing to ensure program adherence to specifications.                              |
|              | Guided junior programmers in coding, testing, and debugging application                                |
|              | programs. Contributed to the exploration and implementation of innovative                              |
|              | technologies and solutions.  |
| We Think-IT  | <ul> <li>Managed batch and online processing jobs, validating integration across</li> </ul>            |
|              | mainframe systems and ensuring timely, accurate execution.   |
|              | <ul> <li>Oversaw DB2/VSAM data management, migrations, and security, maintaining</li> </ul>            |
|              | consistency and integrity across databases.  |
|              | <ul> <li>Conducted testing across unit, system, and integration phases, and supported User</li> </ul>  |
|              | Acceptance Testing (UAT) to ensure defect-free deployments.  |
|              | <ul> <li>Collaborated with cross-functional teams including analysts, testers, and project</li> </ul>  |
|              | managers to align deliverables with business objectives.   |
|              | <ul> <li>Maintained technical documentation, workflows, and change logs to support</li> </ul>          |
|              | knowledge transfer and long-term system sustainability.  |
|              | <ul> <li>Ensured adherence to ITIL standards, client security policies, and compliance with</li> </ul> |
|              | all audit and regulatory frameworks.   |
|              | an addit and regulatory frameworks.  |

# RESUME

### Resume#1

| Nome                     | Loronzo K Bornos   |
|--------------------------|--|
| Name                     | Lorenzo K Barnes   |
| Summary of<br>Experience | <ul> <li>Experienced COBOL Mainframe Programmer in software development, analysis,<br/>implementation, support, and testing of client/server applications on COBOL</li> </ul>  |
|                          | Mainframe platforms.   |
|                          | Has experience in working with New York State Department of Health.  |
|                          | Successfully delivered projects for U.S. Bank, PNC Bank, Nationwide Insurance,     And IR Marron Change.   |
|                          | <ul> <li>and JP Morgan Chase.</li> <li>Proficient in developing and maintaining Merchant Master Financial Systems and</li> </ul>   |
|                          | Business Credit Card accounts systems using Jira, IDZ, Eclipse, BMS Mapping, BMC, Cobol, Cics, Batch/Online, SQL, VSAM, DB2/SPUFI/QMF, IBM MQ, JCL, NDM, FTP, SFTP, IDE/Endevor, File Manager, TSO/ISPF, and IBM Utilities.  • Well versed with creating and enhancing financial systems including ACH, Lockbox,   |
|                          | Wire transfers, IDS, DDA, TDA, Debit Cards, Credit Cards, and Smart Technology "Digital Debt Card systems" for Mobile devices using Cobol, CICS, SQL, DB2, IBM MQ, JCL, Endevor, TSO/ISPF, and IBM Utilities.  |
|                          | <ul> <li>Skilled in maintaining products and promotional APRs data from multiple sources<br/>to analyze performance, identify opportunities, and provide actionable insights to<br/>operations leaders and front-line team members using Java, Swagger, and Spring<br/>Boot.</li> </ul>  |
|                          | <ul> <li>Experienced in managing Wire Transfer (W&amp;T) and Money Laundering (M&amp;L) applications that track Domestic and International transactions utilizing COBOL, VSAM, JCL, CICS (real-time transactions for Teller, AMT, Wire, and Money Transfers), SQL, and DB2.</li> </ul>   |
|                          | <ul> <li>Hands on with Mainframe to CMOD migrations and other migration projects including IMS or IDMS to DB2, VSAM to DB2, VSAM to MQ, and all levels of COBOL migrations, leveraging cloud-based products for scalability, flexibility, and cost-effectiveness.</li> </ul>   |
|                          | Capable of assessing data for migration by identifying mission-critical, less important, and retireable data.  |
|                          | Well versed in planning migrations including selecting tools and technologies, establishing timelines, and managing budgets.   |
|                          | <ul> <li>Proficient in performing migrations in a controlled, methodical manner, including<br/>phased rollouts or small-scale testing to minimize downtime or data loss.</li> </ul>  |
|                          | • Experienced in updating processes and procedures post-migration and training employees on new systems.   |
| Education                | Completed High school from Indian River High School, Chesapeake, VA in 1981.   |
| Skills                   | <ul> <li>Software: JCL, VM/CMS, Xpediter, Intertest, Endevor, FILE-AID, TSO/ISPF, Abendaid, FTP, Dittismart TEST, Mmis, Ramis, Easytrieve Plus Roscoe, SMS/DMI, CA7, Abend-Aid, CICS, VSAM, Infohub, OMNI, MQ Series, EDI, ETL, Run, Panvalet, Grapevine, DB2 Connect, SAP, DB2, Spufl, QMF, Stored Procedures, Net Express, PVCS, Oracle 8i, SQL Plus, VMS, Open VMS, Change man, EJES, DML, DOS, MS Word, Excel, PowerPoint, Access, Visio, and Data Modelling Realia, File Locator, SP2, Fujitsu, GIT GUI, TortoiseGIT and Pervasive PSQL.</li> </ul> |
|                          | <ul> <li>Hardware: IBM 3090 OS/390, MVS, z-OS, HP, Unix, VAX11/410/6000/750, and</li> </ul>  |
|                          | Datapoint.   |
|                          | Languages: VS/Cobol/Cobol II/MVS Cobol (LE)/390, dBase IV, Cics, SAS, Ramis, Micro-Focus, Cobol, C++, and Java Script.   |
|                          | Work History   |
| Mar 2025 –<br>May 2025   | Maven Workforce, Inc. (Fiserv), Columbus, OH   Sr. Software Mainframe Developer  |
|                          | <ul> <li>Developed, maintained, and enhanced Fiserv Database Management Systems<br/>(DDA, Savings, COD, and Loans) utilizing Jira, Unisys A Series, iSeries IBM,</li> </ul>  |

- GitHub, Navigator, Access Client Solutions, Git Admin, COBOL, Batch/Real Time systems, JCL, CA7/CA11, NDM, FTP, SFTP, and all IBM Utilities.
- Maintained Fiserv Database Management Systems while converting over 1,500 banking clients to a single platform.
- Translated system requirements while designing and developing customized systems in Agile and Waterfall environments.
- Developed a comprehensive programming & licensing strategy for all new and existing Mainframe applications and tools.
- Addressed recurring application incidents and resolved functionality gaps through targeted support & troubleshooting across several complex mainframe interfaces.
- Verified software enhancements and identified defects by executing regression cycles as part of comprehensive system testing responsibilities.
- Delivered day-to-day operational support by managing batch processes, restart activities, and performance monitoring for stable platform usage.
- Created architectural diagrams, normalized data flows, and implemented logical models as part of strategic system design improvements.
- Aligned project deliverables with business requirements by integrating custom logic that adhered to standardized system design methodologies
- Enforced compliance with legal requirements for sensitive data within the entire organization's information system.
- Performed intricate database analysis to optimize performance of the enterprisewide lbm Mainframe system
- Performed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs on both A Series and iSeries platforms.

# Jul 2023 -May 2024

# Deloitte Consulting (Edward Jones), Columbus, OH | Sr. Software Mainframe Developer/Lead

- Developed, maintained, and enhanced Edward Jones systems utilizing Jira, IDZ, z-OS/Connect, Cobol, Cics (including Cics internals Ppt, Pct, Fct, Aor, For, Pltu, Cedf, Cemt), Batch/Online, Abendaid, SQL, Vsam, DB2/SPUFI/QMF/Platinum Products, Cmod, IBM MQ, CA7/CA11, JCL, Ndm, FTP, Sftp, Ispw, File Manager, BMC, TSO/ISPF, and all IBM Utilities.
- Maintained Edward Jones FA investment and account portfolio system. Performed ETL processes using DataStage 8.5, Teradata SQL/Assistant, Metadata, Stored Procedures, Teradata RDBMS architecture, FastLoad, FastExport, and MultiLoad utilities.
- Addressed complex legal requirements by implementing secure and compliant mainframe solutions effectively.
- Improved the efficiency of IBM Mainframe applications by performing regular performance tuning and maintenance tasks.
- Resolved priority incidents in production stages through reliable support & troubleshooting practices, ensuring recovery with minimal operational disruption.
- Completed diverse module evaluations and validated defect corrections by following planned test cases as part of system testing approach.
- Delivered routine monitoring, resource scheduling, and production error analysis while conducting operational support for multiple business units.
- Designed control flows, functional specifications, and detailed documentation to enable scalable solutions through efficient system design practices.
- Refined system changes by mapping current workflows and aligning new modifications with approved system design guidelines
- Performed comprehensive database analysis to identify and correct data discrepancies across multiple databases.
- Developed new programming & licensing documentation to standardize procedures and improve team collaboration. Translated system requirements while designing and developing customized systems in Agile and Waterfall environments.

• Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs.Transformed branch-to-branch investment information into code and drove innovation.

#### **Previous Experience**

### Dec 2022 -May 2023

# Great Lakes Higher Education Corp./Nelnet, Inc./ Randstad Technologies, LLC, Columbus, OH | IT Software Engineer

- Developed, maintained, and enhanced Great Lakes Higher Education systems and Student Borrower Loan systems utilizing Jira, IDZ, Eclipse, z-OS/Connect, Cobol, Cics (including Cics internals PPT, PCT, FCT, AOR, FOR, Pltu, Cedf, CEMT), Batch/Online, SQL, Vsam, DataStage, ETL, DataStage 8.5, Teradata SQL/Assistant, Metadata, Stored Procedures, Teradata RDBMS architecture, FastLoad, FastExport, MultiLoad utilities, DB2/SPUFI/QMF/Aqua Data Studio, Cmod, IBM MQ, BMC, CA7/CA11, JCL, NDM, FTP, SFTP, Changeman, File Manager, TSO/ISPF, and all IBM Utilities.
- Maintained and decommissioned Great Lakes Higher Education System during transfer to Nelnet, Inc. through acquisition. Executed comprehensive database analysis to identify performance bottlenecks and improve data accessibility.
- Engineered new software solutions on the Ibm Mainframe, supporting missioncritical enterprise applications.
- Maintained legacy code and created new modules, applying strong programming & licensing knowledge to the software development lifecycle.
- Utilized CA RC/Update tool to manage and tune DB2 subsystems, improving query response times and reducing object contention in high-volume mainframe environments.
- Handled production escalations, root cause identification, and quick resolutions using comprehensive support & troubleshooting techniques across large systems.
- Conducted thorough component evaluations and interface defect tracking efforts that supported more reliable system testing deliveries.
- Executed ongoing operational support, including scheduling jobs, monitoring logs, and ensuring batch results aligned with business operations.
- Built modular program specifications and logical integration points focused on achieving robust results through detailed system design processes.
- Incorporated enhancement feedback and followed quality assurance practices rooted in industry standard system design principles
- Ensured compliance with all relevant legal requirements during the development of secure data handling systems. Contributed to the strategic design of the overall company information system, focusing on scalability and security
- Translated system requirements into designing and developing customized systems in Agile and Waterfall environments.
- Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs. Transformed merger requirements into code and drove innovation.

#### Jul 2022 – Oct 2022

# Fiserv/First Data/ ApTask, Columbus, OH | Software Development Engineer III

- Developed, maintained, and enhanced Merchant Master Financial Systems and Business Credit Card Accounts systems utilizing Jira, IDZ, Eclipse, BMS Mapping, BMC, z-OS/Connect, COBOL, CICS (including CICS internals PPT, PCT, FCT, AOR, FOR, PLTU, CEDF, CEMT), Batch/Online, SQL, VSAM, DB2/SPUFI/QMF, DataStage, ETL, IBM MQ, CA7/CA11, JCL, NDM, FTP, SFTP, IDE/Endevor, File Manager, Abendaid, TSO/ISPF, and all IBM Utilities.
- Developed and maintained ACH PEP+ Deposits for clients, processing credit card APRs data from multiple sources (Amex, VISA, MasterCard, and Discover) to analyze performance and identify operational improvements.
- Translated system requirements into designing and developing customized systems in Agile and Waterfall environments.

- Developed applications on the Ibm Mainframe that handled high-volume data processing for core business functions. Performed programming & licensing activities, creating and testing software to meet business needs.
- Conducted an in-depth database analysis to optimize schemas and improve data management practices.
- Resolved user production issues and batch job failures promptly through guided support & troubleshooting to assist critical daily processes.
- Validated code modifications, error corrections, and upgrade testing results to maintain platform stability through formal system testing protocols.
- Delivered reliable operational support by managing daily performance checks, production schedules, and ongoing activity validations.
- Designed business workflows and program specifications that fostered extensible enhancements using practical system design considerations.
- Consolidated requirements across teams, bringing together technology updates aligned with predefined system design frameworks
- Supported internal staff and stakeholders through documentation development, issue troubleshooting, and end-user training, ensuring seamless transition during system migrations and enhancements.
- Ensured all software releases were in full compliance with corporate and governmental legal requirements. Supported and upgraded the central information system to maintain operational stability and reliability
- Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs. Transformed business requirements into code and drove innovation.

#### Mar 2022 - Jul 2022

# U.S. Bank/ Wipro, Columbus, OH | Sr. Software Developer Analysis/SR. Systems Analyst

- Developed, maintained, and enhanced Consumer and Business ACH PEP+ Deposits and credit card account systems utilizing Jira, GitLab, IDZ, Postman, Eclipse, BMS Mapping, BMC, z-OS/Connect, COBOL, CICS (including CICS internals PPT, PCT, FCT, AOR, FOR, PLTU, CEDF, CEMT), SQL, VSAM, DB2/SPUFI/QMF, IBM MQ, CMOD, CA7/CA11, JCL, Abendaid, NDM, FTP, SFTP, IDE/Endevor, File Manager, TSO/ISPF, and all IBM Utilities.
- Developed and maintained products and promotional APRs data from multiple sources to analyze performance, identify opportunities, and provide actionable insights to operations leaders and front-line teams using Java, Swagger, and Spring Boot.
- Translated system requirements into designing and developing customized systems in Agile and Waterfall environments.
- Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs.Transformed business requirements into code and drove innovation.

#### Mar 2021 - Oct 2021

# Cincinnati Insurance Company/ Beacon Hill Consulting, Cincinnati, OH | Sr. Software Developer Analysis/ SR. Systems Analyst

- Developed, maintained, and enhanced Insurance systems (Workers Compensation, eClass, eValve, Premium, etc.) utilizing DBeaver, Remedy, BMS Mapping, BMC, z-OS/Connect, COBOL, CICS (including CICS internals PPT, PCT, FCT, AOR, FOR, PLTU, CEDF, CEMT), SQL, VSAM, DB2, IBM MQ, CA7/CA11, JCL, Abendaid, EJES, NDM, FTP, SFTP, Changeman, File Aid, TSO/ISPF, and all IBM Utilities.
- Leveraged data from multiple sources to analyze performance, identify opportunities, and provide actionable insights to operations leaders and front-line teams.
- Translated system requirements into designing and developing customized systems in Agile and Waterfall environments.

|                        | <ul> <li>Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe<br/>applications/APIs. Transformed business requirements into code and drove<br/>innovation.</li> </ul>  |
|------------------------|--|
| Jan 2019 - Jun         | TCS, Columbus, OH/53rd Bank, PNC Bank, Nationwide Insurance   Sr. Software   |
| 2020                   | Developer Analysis/SR. Systems Analyst   |
| 2020                   | <ul> <li>Developed, maintained, and enhanced financial systems, including ACH PEP+ Deposits, Lockbox, Wire Transfers, and Mobile Financial Products such as Digital Debt Card systems, utilizing COBOL, CICS, Abendaid, DataStage, ETL, SQL, DB2, IBM MQ, CA7/CA11, JCL, Endevor, TSO/ISPF, and all IBM Utilities.</li> <li>Developed, maintained, and enhanced financial systems including IDS, DDA, TDA, Debit Cards, Credit Cards, and Digital Debt Card systems for Mobile devices, utilizing z-OS/Connect, COBOL, CICS (including CICS internals PPT, PCT, FCT, AOR, FOR, PLTU, CEDF, CEMT), SQL, DB2, IBM MQ, JCL, Endevor, TSO/ISPF, and all IBM Utilities.</li> <li>Led a team in an Agile environment using EPIC, JIRA, Sprints, ServiceNow, and QC.</li> <li>Developed, maintained, and enhanced financial systems including Variable Funds, Fixed Funds, Index Funds, and Financial Products with Categories/Options</li> </ul> |
|                        | <ul> <li>supporting Annuities, utilizing COBOL, CICS, IADT, SQL, DB2, JCL, Changeman, IDZ, Z-Unit, DTCN, TSO/ISPF, Git, and all IBM Utilities.</li> <li>Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs. Led a team in an Agile environment using EPIC, JIRA, RTC, and QC.</li> </ul>   |
| Sep 2018 –<br>Dec 2018 | <ul> <li>Elgebra Inc., Morrisville, NC   Sr. Software Developer/ SR. Systems Analyst</li> <li>Developed, maintained, and enhanced the Micro Focus/Mainframe MA POPS (Massachusetts) Medicaid system for claims processing, utilizing EDI ANSI X12 (834/270/271/837/276/277/835/PBM), Cobol, Abendaid, Micro Focus Cobol, VI, Unix, Oracle, Net Express, ESMAC, Moveit, FileZilla, Citrix, Control-M, JCL, ETL, CICS, DB2, SQL, Oracle SQL Developer, Xpediter, Tortoise, and Stored Procedures.</li> <li>Handled error resolution while debugging critical Medicaid production issues. Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs.</li> </ul>  |
| Apr 2018 – Jun         | •  |
| 2 <b>0</b> 18          | <ul> <li>Analyst</li> <li>Developed, maintained, and enhanced the Digital Debt Card systems, DDA, and Credit Card system for Mobile Alert customers, utilizing z-OS, COBOL, VSAM, CICS, MQ, DB2, SQL, SQL Server, JCL, ETL, and XPEDITER as part of a system reengineering effort.</li> <li>Managed Wire Transfer (W&amp;T) applications tracking domestic and international transactions, utilizing COBOL, VSAM, JCL, CICS (real-time transactions including Teller, AMT, Wire, and Money Transfers), SQL, and DB2.</li> <li>Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs. Handled error resolution while debugging critical banking production issues.</li> </ul>  |
| Nov 2017 -             | Calibro Inc., Buffalo, NY   Sr. Software Developer/ SR. Systems Analyst  |
| Mar 2018               | <ul> <li>Developed, maintained, and enhanced the ESB (Enterprise Service Bus) DDA and Credit Card system for Mobile Alert customers, utilizing z-OS, Cobol, CICS, MQ, DB2, SQL, VSAM, SQL Server, JCL, ETL, and Panvalet as part of a system reengineering effort.</li> <li>Managed Money Laundering (M&amp;L) applications tracking domestic and international transactions, utilizing COBOL, Abendaid, JCL, CICS (real-time transactions including Teller, AMT, Wire, and Money Transfers), SQL, and DB2.</li> </ul>   |
|                        | indiading Teller, Aivit, Wile, and Money Hansiers), SQL, and DDZ.  |

|               | <ul> <li>Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe<br/>applications/APIs. Handled error resolution while debugging critical banking<br/>production issues.</li> </ul>   |
|---------------|--|
| Jun 2017- Sep | York Solution Consulting, Atlanta, GA   Sr. Software Developer/ SR. Data Systems   |
| •             |  |
| 2017          | Analyst  |
|               | <ul> <li>Developed, maintained, and enhanced the Mainframe MRT MedicareRT system for</li> </ul>  |
|               | claims processing, utilizing EDI ANSI X12 (834/270/271/837/276/277/835/PBM), z-  |
|               | OS, COBOL, Micro Focus Cobol, Abendaid, JCL, DataStage, ETL, VSAM, CICS,   |
|               | DB2, SQL, SQL Server, Xpediter, GIT GUI, SP2, File Locator, Tortoise GIT, Realia,  |
|               | Fujitsu, and Pervasive PSQL.   |
|               | <ul> <li>Applied Medicare Agile development methodology, executed Unit Testing, and</li> </ul>   |
|               |  |
|               | performed Validation   |
| Jan 2009 –    | New York State Department of Health /New York State DMV/One New York Police,   |
| May 2017      | Albany, NY   Sr. Software Developer\ SR. Systems Analyst Consultant  |
|               | <ul> <li>Performed pro-bono development and modifications for systems utilizing COBOL,</li> </ul>  |
|               | CICS, Micro Focus COBOL, Abendaid, DB2, SQL, VSAM, ETL, FRDs, TRDs, JCL,   |
|               | Data Mapping, and Data Warehousing.  |
|               | <ul> <li>Contributed to the IBM/Express Scripts Inc. Franklin Lakes, NJ Pharmacy and</li> </ul>  |
|               | Prescription Drugs (837D) conversion using COBOL, DB2, ETL, CICS, and JCL.   |
|               | <ul> <li>Developed and maintained the New York State Medicaid System (EMEDNY) for</li> </ul>   |
|               | •  |
|               | DOH, leveraging ETL DataStage 8.5, Teradata SQL/Assistant, Metadata, Stored  |
|               | Procedures, Teradata RDBMS architecture, FastLoad, FastExport, MultiLoad   |
|               | utilities, BTEQ, MQ/MQSI/MQ, z-OS, COBOL, DB2, SQL Server, ETL, CICS, JCL,   |
|               | Snagit, Cognos, and BI-Query in a Data Warehouse environment.  |
|               | <ul> <li>Processed 837I, 837P, and 835 claims for MVP Health Care Schenectady, NY</li> </ul>   |
|               | Pharmacy and Prescription Drugs (837D) using COBOL, Micro Focus COBOL,   |
|               | DB2, ETL, CICS, and JCL.   |
|               | <ul> <li>Coordinated DMV integrations with AAMVA services, aligning interface</li> </ul>   |
|               | specifications, security controls, and data exchange standards to ensure reliable  |
|               |  |
|               | identity verification and compliant transaction processing   |
|               | Updated the New York DMV traffic system to allow traffic courts to schedule trial  |
|               | appointments, ensuring availability of all parties.  |
|               | • Enhanced Commercial Driver's Licensing (CDL) interfaces to support clean file  |
|               | modernization, PDPS, and SSOLV functions in compliance with AAMVA mandates.  |
|               | <ul> <li>Incorporated ACD code updates to DMV records and ensured compliance with</li> </ul>   |
|               | conviction reporting for Commercial Driver License holders as required by FMCSA.   |
|               | Created functional and technical documentation for DMV system changes and  |
|               | conducted training sessions for end users and DMV analysts on system   |
|               |  |
|               | enhancements.  |
|               | Developed a system to reduce court appearance costs for the New York Police  |
|               | Department, analyzing DMV-generated applications, creating selected SQL  |
|               | reports, recommending efficiency improvements, and documenting changes to  |
|               | eliminate unscheduled court appearances using COBOL, Micro Focus COBOL,  |
|               | CICS, DB2, SQL, JCL, VSAM, Adabase, Ramis, IDMS, Smarttest, and NDM.   |
|               | Processed new mortgages for Fidelity Investments, linking all investment services  |
|               | within the system.   |
|               | Market and the College of the Parkette College of the College of t |
|               |  |
|               | a new adjudication process.  |
|               | Created and maintained RAMIS databases, generating complex reports efficiently.  |
|               | <ul> <li>Performed extensive SQL queries within SQL Server 2008 and Mainframe</li> </ul>   |
|               | environments (z/OS MVS, AS400) utilizing FTP/SFTP, NDM, ETL, Micro Focus   |
|               | COBOL, Teradata, Metadata, DataStage, and Excel, writing over 10,000 SQL   |
|               | queries.   |

- Implemented Emedny Data Marks fixes, transferring control from CSC to CMA for EDI X12 (834/835/837/270/271/276/277/278/997/999/5010/ICD-9/10 HIPAA PHI, CMS) via Teradata and MQ messages to downstream systems.
- Developed functional and technical specifications for programs of varying complexity using Trace Analysis, Impact Analysis, Data Gathering, Time Estimates, and Erwin data modeling 4.0/4.5, ensuring SOA standards for delivery.
- Developed functional and technical specifications for the Mainframe Element Elevation (MEE) system, transferring 834/837 MQ messages from CASE/Lotus Notes to the Mainframe and updating ENDEVOR functions via an API, utilizing COBOL, Micro Focus COBOL, CICS, SQL, DB2, ETL, FTP/SFTP, NDM, EDI X12, DataStage, MQ Series, Lotus Notes, RUP, MS Word, MS Excel, MS Access, CASE, and ENDEVOR.
- Executed Unit Testing, UAT Testing, and Regression Testing for all Mainframe applications/APIs.

# Resume#2

| Name             | Sai Prasanth Narra   |
|------------------|--|
| Summary of       | • Skilled in COBOL batch and CICS online programming, delivering reliable, high-   |
| Experience       | performance mainframe solutions for mission-critical systems.  |
|                  | • Track record of working with California Air Resources Board (CARB) -   |
|                  | Sacramento, CA, San Bernardino County  |
|                  | • Experienced in writing and optimizing JCL job streams to manage large-scale  |
|                  | batch processing cycles, dependencies, and restarts.   |
|                  | • Well versed in DB2 programming and optimization, including embedded SQL,   |
|                  | query tuning, indexing, and partitioning for high-volume environments.   |
|                  | Hands-on experience in VSAM dataset design and management, ensuring data   |
|                  | integrity across KSDS and ESDS structures.   |
|                  | • Expert in CA DB2/IBM Tools (RC/Update, PRF) for database updates,  |
|                  | performance monitoring, and audit-ready reporting.   |
|                  | • Proficient in using File-AID for test data creation, regression validation, and  |
|                  | functional testing across multiple regulated projects. Well versed with Abend-AID,   |
|                  | Fault Analyzer, and MainView for production incident resolution, root cause  |
|                  | analysis, and abend triage.  |
|                  | • Experienced with Changeman for version control, release management, and  |
|                  | ensuring code integrity across development and production.   |
|                  | Skilled in job scheduling tools (CA7, TWS, Zeke) to streamline nightly batch     such a enforce SLAe and entimize workload distribution.                 |
|                  | cycles, enforce SLAs, and optimize workload distribution.  |
|                  | <ul> <li>Mastery in automating manual processes and repetitive tasks using REXX<br/>scripting, reducing operational overhead and error rates.</li> </ul> |
|                  | <ul> <li>Great experience working across regulated industries (healthcare, insurance,</li> </ul>   |
|                  | public sector, energy, transit) ensuring compliance with HIPAA, SOX, CJIS,   |
|                  | CARB, and state IT governance standards.   |
|                  | <ul> <li>Specialized exposure to transportation and motor vehicle systems with direct</li> </ul>   |
|                  | involvement in AAMVA and DMV-integrated drivers' systems at California Air   |
|                  | Resources Board and Milwaukee County Transit.  |
|                  | • Proven success in modernization initiatives, including mainframe-to-cloud  |
|                  | integration, API enablement, and DB2 migration planning.   |
|                  | Capable of delivering end-to-end testing support, creating SIT/UAT datasets and  |
|                  | regression packs to ensure system reliability and compliance.  |
|                  | • Familiar with Agile ceremonies (sprint planning, backlog grooming, daily scrums)   |
|                  | to align deliverables with business priorities. Experienced in collaborating with  |
|                  | DBAs, infrastructure teams, and business stakeholders to design scalable,  |
|                  | compliant, and secure data solutions.  |
|                  | Recognized for mentoring junior developers, conducting code walkthroughs, and  |
|                  | instilling best practices in COBOL, JCL, and CICS development.   |
|                  | • Known for delivering robust, compliant, and scalable mainframe applications that consistently met performance, regulatory, and business requirements.  |
|                  | <ul> <li>Accomplished Senior Mainframe Developer / Application Programmer Analyst</li> </ul>   |
|                  | with 11+ years of experience in enterprise-level application design, development,  |
|                  | and modernization.   |
| Education        | M.S. Computer Science – New York Institute of Technology, NY (2016)  |
|                  | B.Tech Computer Science – JNTUH, India (2013)  |
| Technical Skills | • Programming: COBOL (Batch & CICS), JCL, SQL (Embedded & Dynamic),  |
|                  | REXX, Assembler  |
|                  | Databases: DB2, VSAM (KSDS, ESDS), IDMS, SPUFI, QMF  |
|                  | • Transaction Processing: CICS (BMS Maps, Online Transactions), IBM MQ,  |
|                  | FTP/SFTP   |
|                  | Job Scheduling: CA7, Tivoli Workload Scheduler (TWS), Zeke Scheduler   |
|                  | • Tools & Utilities: CA DB2/IBM Tools (RC/Update, PRF), File-AID, Abend-AID,   |
|                  | Changeman, IDCAMS, DFSORT  |

- Debugging & Monitoring: Abend-AID, MainView, Fault Analyzer, Xpeditor
- Compliance: HIPAA, CJIS, SOX, CARB data privacy, state IT governance
- Methodologies: Agile (Scrum), SDLC, ITIL, Waterfall
- Domains: Transportation (AAMVA/DMV Drivers Systems), Healthcare (Medicare/Medicaid), Insurance (Claims & Policy), Public Sector, Energy

#### **Work History**

#### Nov 2024 – Present

### California Air Resources Board - Sacramento, CA | Senior Mainframe Developer

- Design, develop, and enhance COBOL/CICS/DB2 applications supporting compliance-driven DMV and transportation workflows aligned with AAMVA standards.
- Build and maintain COBOL batch modules to handle DMV-related transaction processing, ensuring high reliability and accuracy of drivers' data systems.
   Develop CICS programs and BMS maps to support real-time DMV transaction updates and citizen inquiry screens.
- Coordinate with compliance teams to ensure all development aligns with legal requirements and internal governance protocols. Maintain legacy information system components while integrating new modules for enhanced performance and scalability.
- Coordinate with compliance teams to ensure all development aligns with legal requirements and internal governance protocols. Maintain legacy information system components while integrating new modules for enhanced performance and scalability.
- Conduct thorough database analysis to identify optimization opportunities and resolve performance bottlenecks. Conduct thorough database analysis to identify optimization opportunities and resolve performance bottlenecks
- Using the IBM Mainframe, develop and maintain applications for critical business processes across multiple platforms.
- Perform comprehensive system testing & upgrades to ensure the stability, reliability, and security of existing applications. Utilize JCL scripts for job scheduling, data management, and the execution of application processes.
- Implement DB2 database changes, ensuring data integrity and optimizing database performance for the systems.
- Leverage RC/Update and PRF to manage and control database changes throughout the development lifecycle. Perform enhancements to meet new business requirements, improving system efficiency and user functionality.
- Develop clear and detailed system design & documentation for new applications and complex system modifications. Support DMV-integrated data exchanges using COBOL and DB2, ensuring AAMVA compliance for cross-state driver information sharing.
- Develop and maintain COBOL programs supporting AAMVA-compliant CDLIS and PDPS systems, ensuring real-time data synchronization and federal compliance for Commercial Driver License transactions.
- Enhance JCL job streams to improve efficiency of nightly DMV cycles, embedding checkpoint/restart logic for recovery without full reruns.
- Conduct detailed root cause analysis on DMV-related production abends using Abend-AID, Fault Analyzer, and MainView, restoring operations within SLA.
- Automate batch job monitoring and recovery workflows with REXX scripting and Zeke Scheduler, reducing manual intervention and SLA violations. Coordinate with DBAs to perform DB2 performance tuning, indexing strategies, partitioning, and archival, ensuring secure DMV data retention and retrieval.
- Design and generate File-AID test datasets to simulate DMV compliance scenarios during SIT and UAT cycles, enabling accurate validation.
- Perform impact analysis of regulatory changes on COBOL/CICS programs to ensure continued compliance with transportation mandates.

- Collaborate with DMV business analysts to translate policy requirements into COBOL/JCL logic and automated validation routines.
- Assist the security team in aligning DMV applications with state IT governance and CARB privacy regulations, ensuring audit-readiness.
- Participate in Agile ceremonies (sprint planning, backlog grooming, retrospectives) to deliver DMV-related modernization features. Contribute to mainframe-to-cloud modernization initiatives, migrating DMV business logic to API-ready frameworks.
- Develop reusable utilities in REXX to automate DMV job validations, dataset allocations, and recovery procedures.
- Partner with QA teams to design regression packs for DMV drivers' systems, reducing defect leakage into production.
- Mentor junior developers on DMV-specific workflows, COBOL programming best practices, and compliance-driven coding standards.
- Document system flows, technical specifications, and DMV-related data dependencies for audits, training, and future modernization planning. Deliver presentations to business stakeholders on modernization progress and DMV/AAMVA compliance readiness.

#### Aug 2023 – Nov 2024

# San Bernardino County – ITD, CA | Senior Mainframe Consultant

- Designed, coded, and maintained COBOL modules integrated with DB2 databases, supporting public sector financial and administrative systems. Enhanced JCL job streams for large-scale batch processes, implemented checkpoint/restart logic to improve recovery and reduce rerun overhead.
- Utilized CA DB2 Tools (RC/Update, PRF) for database query execution, data validation, performance monitoring, and schema updates. Conducted impact analysis of regulation-driven changes on mainframe applications to ensure compliance with evolving county and state requirements.
- Delivered high-quality code and solutions on the IBM Mainframe for a complex financial services application.
- Conducted extensive system testing & upgrades to ensure the integrity and reliability of mainframe applications. Wrote and debugged complex JCL scripts to automate batch processes and manage large data sets.
- Provided technical telephone support to internal users experiencing issues with mainframe applications and batch processes
- Expertly used CA DB2 Tools (RC/Update, PRF) for high-volume data management, improving query performance and ensuring compliance with audit requirements.
- Led initiatives to align DMV applications with state IT governance and federal regulations (CDLIS), conducting audits and ensuring compliance with AAMVA and state-to-state data exchange standards.
- Managed DB2 database performance by tuning queries and implementing efficient data access strategies.
- Used RC/Update and PRF to facilitate the controlled implementation of all database schema modifications.
- Successfully performed enhancements to improve system performance and support new business process requirements.
- Completed comprehensive system design & documentation for the re-engineering of a legacy mainframe application
- Debugged CICS online programs using File-AID and Xpeditor, ensured stable transaction processing and accurate data updates.
- Optimized embedded DB2 SQL queries, reduced job runtimes and improved batch throughput. Coordinated with infrastructure teams during z/OS maintenance and upgrades, validated application stability, JCL compatibility, and CICS session integrity.
- Ensured compliance with federal and state IT governance standards including HIPAA, CJIS, SOX, and internal county audit mandates.

- Delivered functional and technical documentation for new development, enhancements, and modernization initiatives to support audit and knowledge transfer.
- Participated in Agile sprint ceremonies with county stakeholders to align deliverables with business and compliance priorities.
- Managed production incident triage using Abend-AID and MainView, provided timely resolutions and reduced system downtime.
- Applied Changeman for version control, promotions, rollback management, and ensured code integrity across environments.
- Partnered with QA teams to prepare File-AID test datasets and execute regression scenarios for new releases. Automated routine development tasks with REXX utilities, improved developer efficiency and reduced manual errors.
- Collaborated with cross-functional teams including DBAs, business analysts, and compliance officers to ensure reliable and secure system operations.
- Mentored junior developers on COBOL, JCL, and CICS best practices, supported knowledge retention across the team.
- Supported long-term mainframe modernization planning, contributed to assessments for DB2 migration and API enablement strategies. Produced auditready documentation outlining system flows, control points, and compliance alignment for state IT governance reviews.

#### Feb 2023 - Aug 2023

## Chevron – San Ramon, CA | Lead Mainframe Developer

- Led the refactoring of COBOL/IDMS modules to DB2 relational models, improved batch performance and system efficiency by over 20%. Analyzed legacy IDMS data flows and redesigned logic to support DB2 migration planning and relational data structures.
- Created modernization blueprints, including data flow diagrams and API interface mappings, to guide transformation efforts. Designed reusable REXX utilities for dataset management, pre-deployment validations, and automated job checks, reduced manual effort.
- Oversaw resolution of high-priority abends using Abend-AID and MainView, ensured 99.9% application availability. Partnered with infrastructure teams during z/OS version upgrades, validated COBOL, CICS, and JCL compatibility.
- Conducted impact analysis for DB2 migration and modernization projects, ensured downstream applications were not disrupted.
- Led the migration of legacy DMV applications to cloud-based architectures, enhancing system scalability and enabling API-driven integrations for real-time data exchange with external systems.
- Coordinated with DBAs to tune SQL queries, indexes, and storage strategies, optimized performance for high-volume batch jobs.
- Supported cloud migration planning, mapped mainframe modules for incremental migration and API enablement. Contributed to API modernization initiatives, documented reusable COBOL logic for integration with distributed applications.
- Developed detailed documentation of legacy batch jobs and IDMS dependencies to support knowledge transfer and modernization.
- Collaborated with QA teams to create test cases, regression scenarios, and UAT packs for DB2 conversion efforts. Mentored junior developers in structured COBOL programming, job control language, and CICS debugging techniques.
- Participated in cross-team reviews to assess risk and performance bottlenecks, delivered mitigation strategies.
- Designed recovery and failover procedures to improve system resiliency during modernization. Coordinated ChangeMan promotion pipelines and enforced version control integrity across dev, test, and production environments.
- Worked closely with cybersecurity teams to ensure data protection policies were applied in mainframe data exchange and job execution.
- Delivered executive-level presentations summarizing modernization progress, system performance gains, and migration roadmaps.

| • | <ul> <li>Supported the integration of mair</li> </ul> | nframe logs and performance metrics into Splunk |
|---|---|---|
|   | dashboards, improved operation                        | al visibility.                                  |

#### Jun 2020 - Feb 2023

# Milwaukee County Transit System, Milwaukee, WI | Mainframe Application Developer

- Designed, developed, and enhanced COBOL and JCL applications supporting fare collection, ridership data analytics, and DMV-integrated workflows.
- Built COBOL modules interfacing with AAMVA drivers' systems, ensured compliance with national standards and maintained driver data integrity.
- Implemented checkpoint/restart logic in DMV-related batch jobs, improved resilience and reduced reruns during failures. Utilized CA7 scheduler to manage DMV-related job dependencies, reruns, and SLA-driven critical nightly cycles.
- Enhanced COBOL programs handling fare policy changes and driver compliance validations, met county and DMV regulatory requirements. Collaborated with business analysts to capture requirements for transportation compliance workflows, translated them into efficient COBOL/JCL logic.
- Automated DMV transaction monitoring and job validations using REXX scripting, significantly reduced manual intervention.
- Led a team of developers in optimizing DMV transaction processing, improving performance and reducing errors through the implementation of best coding practices and enhanced job monitoring processes
- Developed and maintained COBOL/CICS/DB2 applications integrated with AAMVA standards for DMV transaction processing, ensuring full compliance with state and federal regulations.
- Programmed and debugged applications on the IBM Mainframe to support a national banking system.
- Validated new application releases through extensive system testing & upgrades for a critical client-facing platform.
- Monitored batch jobs and provide ongoing operational support for critical production environments across multiple platforms. Developed and maintained complex JCL libraries for managing and executing a wide range of batch jobs.
- Optimized and managed DB2 databases to support high-volume transaction processing systems. Utilized RC/Update and PRF for effective management of database changes during the development cycle.
- Performed enhancements to streamline existing processes, leading to a significant increase in operational efficiency. Produced clear and concise system design & documentation for various system modifications and new features
- Conducted SIT and UAT testing with File-AID datasets to validate DMV and transit-related enhancements before production release.
- Coordinated production support for DMV and transit system abends using Abend-AID and MainView, ensured SLA adherence. Analyzed and resolved complex CICS transaction failures tied to fare and DMV-related inquiries, ensured stable online operations.
- Designed and documented system flows, logic changes, and DMV-related data models for audit and compliance purposes.
- Created detailed test cases, regression scenarios, and validation packs to strengthen DMV modernization releases. Partnered with DBAs to optimize DB2 queries and indexes supporting DMV and ridership data reporting.
- Developed reusable REXX utilities to streamline DMV job monitoring, dataset allocation, and abend recovery procedures. Participated in Agile sprint ceremonies, aligned DMV/transit deliverables with business priorities and compliance milestones.
- Assisted security and compliance teams in ensuring DMV system data exchanges adhered to state IT governance and privacy standards. Provided mentoring and training for junior developers on COBOL programming, DMV-specific modules, and CA7 scheduling best practices.

|                | Supported long-term mainframe modernization planning, contributed to DMV-   |
|----------------|---|
|                | <ul> <li>Supported long-term mainframe modernization planning, contributed to DMV-<br/>related API enablement and system migration assessments. Delivered functional</li> </ul> |
|                | and technical documentation for DMV workflows to support audits, training, and  |
|                | future modernization efforts.   |
| Nov 2019 - May | West Bend Mutual Insurance – West Bend, WI   Mainframe Systems Analyst  |
| 2020           | Analyzed existing COBOL and JCL modules supporting core insurance claims and  |
|                | underwriting systems, documented embedded business logic for modernization.   |
|                | • Conducted impact analysis of federal and state regulatory requirements, ensured   |
|                | system changes aligned with evolving compliance mandates.   |
|                | Refactored COBOL/JCL logic to reduce technical debt, improve maintainability,     and associate and arrivation initiatives.   |
|                | <ul> <li>and support modernization initiatives.</li> <li>Utilized SPUFI and File-AID to validate DB2 data structures, perform test queries,</li> </ul>                          |
|                | and ensure accuracy of claims and underwriting transactions.  |
|                | <ul> <li>Applied RC/Update for efficient DB2 updates, schema validations, and audit</li> </ul>  |
|                | support. Conducted detailed VSAM dataset analysis and validation to confirm data  |
|                | integrity across claims workflows.  |
|                | • Performed system testing and defect resolution, ensured functionality met   |
|                | compliance and business requirements. Collaborated with business analysts to  |
|                | interpret insurance policy logic and integrate changes into COBOL applications.   |
|                | • Supported audit-driven compliance reporting, prepared system extracts and data validations for actuarial and audit teams.   |
|                | <ul> <li>Developed test data scenarios with File-AID to validate insurance processing</li> </ul>  |
|                | workflows during SIT and UAT. Worked closely with DBAs to identify DB2 query  |
|                | optimizations for performance improvements in high-volume batch jobs.   |
|                | • Created technical documentation covering system flows, logic dependencies, and  |
|                | data mappings to assist audits and knowledge transfer.  |
|                | Participated in code walkthroughs and peer reviews to enhance COBOL program   |
|                | quality and compliance alignment.   |
|                | <ul> <li>Resolved production abends in batch cycles using Abend-AID and system log<br/>analysis, ensured SLA adherence.</li> </ul>  |
|                | <ul> <li>Collaborated with QA teams to build regression packs for insurance claims and</li> </ul>   |
|                | underwriting modules. Coordinated with infrastructure teams to validate system  |
|                | behavior during z/OS maintenance windows and version upgrades.  |
|                | • Ensured compliance with HIPAA and SOX standards in handling customer data   |
|                | and insurance records.  |
|                | Delivered knowledge transfer sessions to junior developers, ensured smooth  |
|                | onboarding for support of claims/underwriting systems. Contributed to enterprise  |
|                | modernization planning, identified legacy COBOL logic that could be migrated or   |
| Feb 2019 – Nov | reused in future state architectures.  Meijer – Grand Rapids, MI   Mainframe Developer (z/OS Batch & Online)  |
| 2019 - NOV     | <ul> <li>Designed and developed COBOL batch programs to automate purchase order</li> </ul>  |
|                | generation, store replenishment, and vendor invoicing. Built CICS online programs   |
|                | allowing store managers to input, retrieve, and track merchandise and inventory   |
|                | transactions in real time.  |
|                | Enhanced JCL job streams to optimize batch job execution, reduced runtime   |
|                | failures, and improved nightly cycle stability. Created and maintained VSAM   |
|                | KSDS datasets to support audit trails for inventory movement, ensured   |
|                | compliance with internal audit policies.  • Applied IDCAMS and DFSORT utilities for dataset creation, maintenance, and  |
|                | record reorganization. Participated in impact analysis of supply chain module   |
|                | changes, ensured compatibility with downstream financial and reporting systems.   |
|                | Supported QA testing by preparing File-AID test datasets, enabled robust  |
|                | functional and regression testing.  |
|                | • Used Changeman for version control and promotion, ensured proper release  |
|                | management and rollback capabilities. Conducted batch recovery and rerun  |

- procedures for SLA-driven jobs, ensured timely completion of critical supply chain workflows.
- Collaborated with system engineers to develop REXX scripts for automating dataset allocation and job status checks. Partnered with DBAs to optimize DB2 queries and embedded SQL within COBOL programs for inventory reporting.
- Resolved production abends using Abend-AID and system dump analysis, restored business operations quickly. Coordinated with cross-functional teams (supply chain, finance, QA) to validate end-to-end business process changes.
- Conducted code reviews and peer walkthroughs to ensure compliance with structured programming and Meijer coding standards. Assisted in z/OS upgrade validation, ensured COBOL, JCL, and CICS program compatibility across test and production regions.
- Monitored nightly batch job sequences using CA7, validated dependencies, and addressed job interruptions proactively. Prepared detailed system documentation including flowcharts, job dependencies, and technical specifications for audit and training purposes.
- Tracked and resolved incidents in ServiceNow, maintained full traceability for audit and compliance reporting. Delivered knowledge transfer sessions and mentoring support for junior developers, ensured continuity in batch and online application support.

#### Dec 2018 – Jan 2019

## Conduent - Morrisville, NC | COBOL Mainframe Developer

- Enhanced COBOL batch programs to support Medicaid claims processing and payment reconciliation systems under strict state healthcare regulations.
- Modified JCL job streams and parameters to comply with quarterly governmentmandated updates for Medicaid reporting and processing. Validated DB2 data extracts for billing and reimbursement accuracy, ensured compliance with healthcare regulations.
- Performed nightly batch monitoring and validation, resolved interruptions to meet SLA-driven Medicaid processing deadlines.
- Collaborated with business analysts to interpret Medicaid business rules and translated them into COBOL program changes. Used SPUFI and ad hoc SQL queries to analyze Medicaid claims data and verified updates against regulatory requirements.
- Participated in regression testing cycles to validate COBOL and JCL changes before deployment into production. Assisted in debugging job failures using Abend-AID and job logs, ensured minimal disruption to Medicaid payment cycles.
- Conducted impact analysis for changes in Medicaid processing logic, ensured downstream systems were not adversely affected. Created File-AID test datasets to simulate Medicaid claims scenarios for SIT/UAT environments.
- Supported production deployments by performing pre- and post-implementation checks on batch jobs and data extracts. Applied structured programming techniques and coding standards to improve maintainability of COBOL programs.
- Coordinated with QA teams to execute test cases ensuring billing compliance and accurate Medicaid claims processing.
- Documented changes in COBOL logic, JCL flow, and DB2 validations for audit and knowledge transfer purposes. Participated in peer code walkthroughs to validate program logic and adherence to project standards.
- Monitored Medicaid-related job dependencies and reruns, ensured timely execution of critical nightly cycles.
- Supported Medicaid compliance audits by preparing system-level documentation and verified processing results against state reporting standards.
- Provided support during production issues by escalating unresolved failures to senior developers and operations teams. Gained exposure to Medicaid modernization efforts, including discussions around API migration of COBOL programs (observational role).

#### Sep 2016 – Nov 2018

# Envision Healthcare - Modesto, CA | Mainframe Programmer Analyst

- Developed and maintained COBOL batch programs supporting billing, eligibility, and scheduling systems within a high-volume healthcare environment. Enhanced JCL job streams to optimize batch performance, reduced runtimes, and improved compliance with healthcare processing SLAs.
- Supported and maintained CICS online screens to ensure real-time patient data accuracy and transaction reliability.
- Coded and tested new applications on the IBM Mainframe, adhering to best practices and coding standards. Performed thorough system testing & upgrades to validate application integrity and readiness for production.
- Modified and maintained complex JCL scripts for an enterprise-wide data synchronization and reporting system. Created and executed SQL queries for data manipulation and analysis within the DB2 database.
- Used RC/Update and PRF to manage and deploy all database changes across development and test environments.
- Performed enhancements to improve the scalability and robustness of a critical financial data application. Wrote comprehensive system design & documentation for the data mapping and flow of a new system
- Ensured full HIPAA compliance in development, testing, and production environments, safeguarded patient data confidentiality.
- Wrote and optimized DB2 embedded SQL queries to retrieve and update provider, billing, and patient eligibility data. Created and modified VSAM datasets to support healthcare transaction processing and reporting needs.
- Participated in all SDLC phases, including requirements gathering, low-level design, coding, testing, and deployment.
- Prepared File-AID test datasets for SIT and UAT cycles, enabled accurate testing
  of billing and eligibility workflows. Resolved production abends using Abend-AID
  and system logs, ensured uninterrupted claim and billing cycles.
- Partnered with QA teams to design regression test cases and verify compliancedriven changes before release. Monitored nightly batch cycles, validated outputs, and supported recovery and rerun procedures as needed.
- Utilized Changeman for version control, code promotion, and rollback management across environments. Conducted peer code reviews and walkthroughs to enforce structured COBOL coding practices and improve maintainability.
- Collaborated with DBAs and infrastructure teams to validate DB2 performance and dataset availability during releases. Documented system flows, logic dependencies, and billing/eligibility processes to support audits and compliance reporting.
- Supported audit readiness by producing technical documentation aligned with HIPAA requirements. Tracked incidents using ServiceNow, ensured timely resolution and full traceability for compliance purposes.
- Provided mentoring to junior developers on healthcare-specific COBOL and JCL programming best practices. Contributed to modernization planning discussions, identified COBOL logic suitable for API enablement and future migration.

#### Jan 2015 - Aug 2016

# HCA Healthcare – Nashville, TN | Mainframe Application Support Engineer

- Provided 24/7 production support for COBOL, JCL, DB2, and VSAM-based healthcare claim processing applications across z/OS environments.
- Monitored and maintained CA7 job schedules, performed restarts, dependency reviews, and ensured timely execution of nightly and weekend claim processing cycles.
- Resolved application and system abends using Abend-AID, dump analysis, and VSAM dataset validations, minimized downtime. Executed ad hoc DB2 queries using SPUFI to analyze, correct, and validate claim processing data for business teams.

- Supported CICS online systems, troubleshot transaction-level issues, BMS map errors, and COBOL module logic for claims workflows. Conducted root cause analysis for recurring production incidents, identified permanent fixes to reduce repeat failures.
- Ensured strict compliance with HIPAA and SOX regulations by maintaining secure processing, audit-ready documentation, and protected healthcare data. Validated job dependencies and reruns in CA7 to ensure claims were processed accurately without downstream disruptions.
- Collaborated with QA and development teams during release cycles to validate system setups, dataset allocations, and back-out procedures. Created and maintained runbooks and incident documentation, supported faster resolution of recurring production issues.
- Simulated production issues by manipulating VSAM datasets with File-AID, enabled accurate problem reproduction and faster RCA. Partnered with DBAs to tune DB2 SQL queries and optimize performance of claim-related batch jobs.
- Coordinated with infrastructure teams during z/OS IPLs and upgrades to validate stability of COBOL, CICS, and JCL applications. Delivered knowledge transfer sessions to new team members, ensured continuity in claims system support.
- Logged, tracked, and resolved incidents using ServiceNow, provided full traceability for compliance audits. Supported audit activities by preparing system-level documentation and evidence of HIPAA/SOX compliance.
- Participated in performance reviews of nightly batch cycles, identified bottlenecks and improved throughput.
- Assisted in testing and validation of COBOL and JCL changes prior to production deployment. Played a key role in ensuring 99.9% system uptime, directly supporting the continuity of healthcare claims processing.

#### Jan 2013 - Jul 2014

### Value Labs – Hyderabad, India | Junior Mainframe Developer

- Assisted senior developers in coding and testing COBOL batch and CICS online programs for enterprise applications. Prepared, validated, and executed JCL job streams for system testing, ensured accuracy in batch job processing.
- Supported daily batch monitoring and recovery, identified job failures and escalated issues to minimize downstream impacts. Created, deleted, and manipulated VSAM datasets using IDCAMS utilities to support application testing and production environments.
- Utilized File-AID to browse, edit, and validate datasets for functional and regression testing. Performed ad hoc DB2 queries using SPUFI to validate data integrity, prepare reports, and support application debugging.
- Participated in unit and integration testing, documented test cases and validated results against requirements. Conducted preliminary dump analysis and job log reviews to identify the root cause of failures, escalated critical issues.
- Assisted in the preparation of deployment packages and supported change control processes across development. QA, and production environments.
- Gained exposure to CICS debugging and validated transaction flows under senior developer guidance. Collaborated with cross-functional teams during release weekends, supported deployment validations and back-out procedures.
- Participated in daily Agile stand-up meetings and walkthroughs, captured requirement changes and backlog priorities. Documented low-level design changes, test results, and runbook entries for defect resolution and knowledge transfer.
- Applied structured programming practices while modifying COBOL modules, ensured adherence to project coding standards. Supported audit readiness by maintaining records of JCL validations, test results, and code promotion logs.
- Assisted in data conversion efforts by running batch jobs that validated dataset transformations during system migrations. Applied REXX scripting basics to automate small dataset handling and routine developer tasks.

 Supported QA and business teams by preparing controlled test datasets for SIT/UAT execution. Built foundational skills in mainframe operations, COBOL/CICS programming, JCL scripting, DB2 database handling, and compliance-driven development.

#### **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:    | 1698045  | Reason for Modification: |         |
|-----------------|--|--------------------------|---------|
| Doc Description | Mainframe Application Programmer Technical Staffing Services |                          |         |
|                 |  |                          |         |
|                 |  |                          |         |
| Proc Type:      | Central Master Agreement                                     |                          |         |
| Date Issued     | Solicitation Closes  | Solicitation No          | Version |
| 2025-08-14      | 2025-09-11 13:30   | CRFQ 0802 DMV2600000001  | 1       |

#### BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION 2019 WASHINGTON ST E

CHARLESTON WV 25305

US

VENDOR

Vendor Customer Code: VS0000005021

Vendor Name: Elegant Enterprise-Wide Solutions, Inc.

Address: 24035 Whitten Farm CT

Street : City: Aldie

Zip: 20105-2767 Country: USA State: Virginia

Principal Contact: Vikas Arora

Vendor Contact Phone: 703-909-1289 Extension:

FOR INFORMATION CONTACT THE BUYER

John W Estep 304-558-2566 john.w.estep@wv.gov

Vendor

DATE September 11, 2025 Signature X As Arona FEIN# 36-4468087

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

**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) VIKAS A | rora, President            |
|---------------------------------|----------------------------|
| Address) 24035 Whitten Farm C   | T Aldie VA 20105-2767      |
| Phone Number) / (Fax Number)    | 703-909-1289, 703-722-6628 |
| email address) govt@elegantsolu | utions.us                  |

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.

| Elegant Enterprise-Wide Solutions, Inc.  |              |
|--|--------------|
| (Company)  |              |
| (Signature of Authorized Representative) Vikas Arora, President                            |              |
| (Printed Name and Title of Authorized Representative) (Date)<br>703-909-1289, 703-722-6628 | <del>_</del> |
| (Phone Number) (Fax Number) govt@elegantsolutions.us                                       |              |
| (Email Address)  |              |

Revised 8/24/2023

# REQUEST FOR QUOTATION Mainframe Application Programmer Analysts – Onsite Only

- Immediate cancellation of one or more release orders issued under this Contract.
- 11.2.3. Any other remedies available in law or equity.

#### 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: Vikas Arora

Telephone Number: 703-909-1289

Fax Number: 703-722-6628

Email Address: govt@elegantsolutions.us

Revised 2/15/2024