GENERAL SERVICES ADMINISTRATION
FEDERAL ACQUISITION SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG/PRICE LIST

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!, a menu-driven database system. The INTERNET address for GSA Advantage! is http://www.gsaadvantage.gov

Schedule Title: General Purpose Commercial Information Technology Equipment, Software and Services
FSC Group: D302, D306, D308, D399
Contract Number: 47QTCA20D001D
Contract Period: 10/28/2019 through 10/27/2024

For more information on ordering from Federal Supply Schedules click on the GSA Schedules link at www.gsa.gov

Contractor: TRN Systems Inc.
107 FAIRWAY TER
Mount Laurel, NJ 08054
Phone Number: (856) 508-2779
Fax Number: (856) 638-5968
www.trnsystems.com

Contractor’s Administration Source: Saurabh Khatkhate
Business Size: Small Minority Owned Business
Subcontinent Asian (Asian-Indian) American Owned

www.trnsystems.com
About TRN Systems Inc.

TRN Systems Inc. is a rapidly growing minority certified technology firm with expertise in understanding businesses and implementing technology to support those businesses. The precision of our solutions is driven by our problem-solving attitude fostered by the commitment to devise the most apropos product.

Our strategy is to use our expertise in technology and consulting to help clients achieve performance at higher levels so they can create sustainable value for their customers and stakeholders. We use our industry and business-process knowledge, our service offering expertise and our understanding of emerging technologies and new business and technology trends to formulate and implement solutions for our clients. Our strategy is sharply focused on helping clients improve their operational performance, deliver their products and services more effectively and efficiently, and grow their businesses in existing and new markets.
CUSTOMER INFORMATION:

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)

<table>
<thead>
<tr>
<th>SIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S</td>
<td>Information Technology Professional Services</td>
</tr>
</tbody>
</table>

1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN: N/A

1c. HOURLY & SERVICE RATES:

<table>
<thead>
<tr>
<th>SIN(s)</th>
<th>Service</th>
<th>1st Year Rates</th>
<th>2nd Year Rates</th>
<th>3rd Year Rates</th>
<th>4th Year Rates</th>
<th>5th Year Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S</td>
<td>Computer System Analyst III</td>
<td>$79.65</td>
<td>$81.80</td>
<td>$84.01</td>
<td>$86.28</td>
<td>$88.61</td>
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<tr>
<td>54151S</td>
<td>Computer System Analyst II</td>
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<td>$86.61</td>
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<td>$91.35</td>
<td>$93.81</td>
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<tr>
<td>54151S</td>
<td>Computer System Analyst I</td>
<td>$93.70</td>
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<td>$104.24</td>
</tr>
<tr>
<td>54151S</td>
<td>IT Project Manager</td>
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<td>$115.48</td>
<td>$118.59</td>
<td>$121.80</td>
<td>$125.08</td>
</tr>
<tr>
<td>54151S</td>
<td>Software Developer Applications IV</td>
<td>$65.59</td>
<td>$67.36</td>
<td>$69.18</td>
<td>$71.05</td>
<td>$72.97</td>
</tr>
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<td>Software Developer Applications III</td>
<td>$73.09</td>
<td>$75.06</td>
<td>$77.09</td>
<td>$79.17</td>
<td>$81.31</td>
</tr>
<tr>
<td>54151S</td>
<td>Software Developer Applications II</td>
<td>$79.65</td>
<td>$81.80</td>
<td>$84.01</td>
<td>$86.28</td>
<td>$88.61</td>
</tr>
<tr>
<td>54151S</td>
<td>Software Developer Applications I</td>
<td>$86.68</td>
<td>$89.02</td>
<td>$91.42</td>
<td>$93.89</td>
<td>$96.43</td>
</tr>
</tbody>
</table>

2. MAXIMUM ORDER*: $500,000

*Ordering activities may request a price reduction at any time before placing an order, establishing a BPA, or in conjunction with the annual BPA review. However, the ordering activity shall seek a price reduction when the order or BPA exceeds the simplified acquisition threshold. Schedule contractors are not required to pass on to all schedule users a price reduction extended only to an individual ordering activity for a specific order or BPA.

3. MINIMUM ORDER: $100

4. GEOGRAPHIC COVERAGE: 48 contiguous states

5. POINT(S) OF PRODUCTION: Not Applicable

6. DISCOUNT FROM LIST PRICES: Prices shown are GSA Net, discount deducted

TRN Systems, Inc. – 107 Fairway Terrace, Mt. Laurel, NJ 08054, Tel: 856-638-5152, Fax: 856-638-5968
Email: HR@trnsystems.com -- www.trnsystems.com
7. QUANTITY DISCOUNT(S): 1% for a single order over $150,000
8. PROMPT PAYMENT TERMS: Net 30 Days

9a. Government Purchase Cards must be accepted at or below the micro-purchase threshold.
9b. Government Purchase Cards are accepted above the micro-purchase threshold.

10. FOREIGN ITEMS: Not Applicable
11a. TIME OF DELIVERY: Determined on task order level
11b. EXPEDITED DELIVERY: Contact contractor
11c. OVERNIGHT AND 2-DAY DELIVERY: Contact contractor
11d. URGENT REQUIREMENTS: Agencies can contact the Contractor’s representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

12. FOB POINT: Destination
13a. ORDERING ADDRESS: 107 FAIRWAY TER Mount Laurel, NJ 08054
13b. ORDERING PROCEDURES: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3

14. PAYMENT ADDRESS: 107 FAIRWAY TER Mount Laurel, NJ 08054
15. WARRANTY PROVISION: Not Applicable
16. EXPORT PACKING CHARGES: N/A
17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE: N/A
18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE): N/A
19. TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE): N/A
20. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE): N/A
20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE): N/A

21. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE): N/A

22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE): N/A

23. PREVENTIVE MAINTENANCE (IF APPLICABLE): N/A

24a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants): N/A

24b. Section 508 Compliance for EIT: N/A

25. DUNS NUMBER: 006330878

26. Contractor has an active registration in the SAM database
TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 54151S)

****NOTE: All non-professional labor categories must be incidental to, and used solely to support professional services, and cannot be purchased separately.

1. SCOPE

   a. The prices, terms and conditions stated under Special Item Number 54151S Information Technology Professional Services apply exclusively to IT within the scope of this Information Technology Schedule.
   b. The Contractor shall provide services at the Contractor’s facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. PERFORMANCE INCENTIVES I-FSS-60 Performance Incentives (April 2000)

   a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.
   b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
   c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity’s mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. ORDER

   a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period, all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
   b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. PERFORMANCE OF SERVICES

   a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
   b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either:

(1) Cancel the stop-work order; or

(2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if:

(1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and

(2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

6. INSPECTION OF SERVICES

7. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data – General, may apply.

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Professional Services.

9. INDEPENDENT CONTRACTOR

All IT performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.
12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007) Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition As prescribed in 16.601(e)(3), insert the following provision:

(a) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.

(b) The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—

1. The offeror;
2. Subcontractors; and/or
3. Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.
16. DESCRIPTION OF IT PROFESSIONAL SERVICES AND PRICING .

a. The Contractor shall provide a description of each type of IT Service offered under Special Item Numbers 54151S IT should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

b. Pricing for all IT shall be in accordance with the Contractor’s customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

The following is an example of the manner in which the description of a commercial job title should be presented:

EXAMPLE:
Commercial Job Title: System Engineer
Minimum/General Experience: Three (3) years of technical experience which applies to systems analysis and design techniques for complex computer systems. Requires competence in all phases of systems analysis techniques, concepts and methods; also requires knowledge of available hardware, system software, input/output devices, structure and management practices.
Functional Responsibility: Guides users in formulating requirements, advises alternative approaches, conducts feasibility studies.
Minimum Education: Bachelor’s Degree in Computer Science

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Detailed Position Description and functional responsibilities</th>
<th>Min Education Level</th>
<th>Min Years of Experience</th>
<th>Any Applicable Training</th>
</tr>
</thead>
</table>
| Computer System Analyst III| • Requirement gathering from various end users from Equipment Finance and Vendor Finance Business.  
• Create Business requirements and provide task estimates with functional requirements.  
• Conducting JAD sessions with management and technology to further create technical design document.  
• Perform GAP Analysis to identify the major drawback spot for the business which should be fixed to cover 80% of the problem.  
• Design prototype and mock ups for developers to understand the visual requirement suggested by management for portal. Implementation of OFAC and KYC policies, Risk analysis and fraud identification methodologies.( Process includes: PO creation, Comment upload, Trade up calculation, Meter Management and Spec’ing)  
• Create data warehouse to support all the different aspects of the project.( Source will be LeaseWorks, Stucky and post Merger Systems)  
• Conduct peer reviews and participate in SDLC retrospective feedbacks and create plan to eliminate the drawbacks so that the efficiency of next phase do not gets impacted with previous delinquencies.  
• Write complex SQL queries and creating data mapping from source to target. Perform data analysis to identify data defects, when necessary.                                                                                                                                 | Bachelor’s degree   | 7 years                 | N/A                     |
<table>
<thead>
<tr>
<th>Role</th>
<th>Responsibilities</th>
</tr>
</thead>
</table>
| Computer System Analyst II | - Requirements owners and principal in ensuring client’s business needs are represented and protected  
- Leading requirement analysis effort to identify the gap requirements and proposing functional/technical solutions for the gap requirements  
- Leading requirements traceability effort to map use cases, business rules, and user interfaces  
- Leading business process improvement efforts and driving change in policies  
- Mentoring State’s functional team on business requirements and technical solutions  
- Evaluating proposed solution to ensure it meets business needs  
- Collaborating with Implementation team to prepare design ready requirements  
- Ownership of legislature driven changes to requirements and change management  
- Working with leadership, IT architects, project managers, State Consortium management team, and technical implementation team to ensure successful design, development and implementation of the new system  
- Restructure and provide interim support to testing team |

Bachelor's degree       | 9 years                        | N/A                    |
<table>
<thead>
<tr>
<th>Job Title</th>
<th>Education</th>
<th>Experience</th>
<th>Certification</th>
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</thead>
<tbody>
<tr>
<td>Computer System Analyst I</td>
<td>Bachelor's degree</td>
<td>11 years</td>
<td>N/A</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT Project Manager</td>
<td>Bachelor's degree</td>
<td>10 years</td>
<td>PMP certification by the Project Management Institute (PMI)</td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

- Working closely with program manager from each agency to identify the data availability and feasibility.
- Working directly with Chief Officers to gather the requirement of reports which will be key items of this project.
- Worked closely with Project Manager to conduct Steering committee and Policy and Data Governance council meetings.
- Analyze the RTT-ELC questions and objectives in terms of what kind of data is required.
- Analyze the Data dictionaries of 14 desperate systems to analyze the data which can support NJ-EASEL development.
- Conducted JAD session to collect the data from 4 agencies.
- Maintained the Crosswalk analysis spreadsheet and supported Data modeling team to create the data mapping.
- Working closely with Data Architect in order to streamline the data received from agencies and create a layout to receive the data in disciplined manner.
- Creating future business Process and procedures documents.
- Writing functional specifications for various data systems.
- Communication with external and internal customer to gather the specific business and functional requirements.
- Creating SFRD (System's functional requirements document)
- Actively participating in design efforts in order to make sure the requirements are satisfied throughout the development.

- Conduct in-depth analysis of key business data.
- Provide leadership to the development team with the help of BA team and participate in Documenting business and functional requirements, including data flow, business rules, and Use cases.
- Analyse current process gaps and design the user interface workflow based on the agreed requirement.
- Analyse and conduct System testing, Unit testing, Performance testing and UAT support.
- Ensure Agile/Scrum concepts and iterative development principles are adhered to. Run daily team meetings and own ongoing development / release planning.
- Own Product Backlog and prioritization. Assist in the change management and QA/Testing phases of the project.
- Help ensure project team is adhering to project plans and helping to identify and resolve discrepancies.
<table>
<thead>
<tr>
<th>Role</th>
<th>Responsibilities</th>
</tr>
</thead>
</table>
| Software Developer Applications | • End to end IT project management. Manage the implementation and configuration delivery of work streams of this multi year program.  
• Work with Finance business, development leads to develop work stream delivery milestones  
• Work closely with Finance business to develop configuration via Solution manager, detailed specs of Technical Objects.  
• Work closely with Finance business to document business process, procedures  
• Make sure detailed change impacts identified and action plans in place.  
• Make sure various scenarios defined and tested, integration tests completed.  
• Manages project issues and risks through issue/risk process.  
• Govern and manage the Decision Log process for the workstream.  
• Worked on Architecture, Design and creation of Technical Design Document (TDD), Swagger UI.  
• Designed and Developed 3 core Micro services using Spring Boot with Maven.  
• Developed the Core Caching Util service to store the data into Redis with a TTD.  
• Worked with Chief Architect for Governing principles for Communication between Micro Services.  
• Developed various UI Sections of Single Page Application using Angular JS, HTML5 and CSS.  
• Coded and designed various components for SPA using Angular and MVC Spring Framework.  
• Creating custom Request / Response Mappings for Multiple Micro services Endpoints operations.  
• Coding for JS files, Script for client level validation using AngularJS.  
• Used JSON / XML / Rabbit MQ to communicate between Multiple Core and Composite Micro Services.  
• Coding for AngularJS components to develop responsive design (across different devices / browsers).  
• Extensive use of Angular directives like ng-repeat, ng-bind, ng-init, ng-model for various SPA sections.  
• Implemented Security for the core and composite Micro Services using the JWT Token.  
• Perform Unit testing of the developed code and maintain code in version control GIT, RTC.  
• Written TDD and BDD (feature files) and integration testing between multiple Micro Services. |

<table>
<thead>
<tr>
<th>Degree</th>
<th>Experience</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor’s degree</td>
<td>7 years</td>
<td>N/A</td>
</tr>
<tr>
<td>Role</td>
<td>Responsibilities</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td>Software Developer Applications</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Understand the requirement from the SME.  
• Work on preparing the Technical Design Document.  
• Experience in computing complex logic and query for the RESTful Response, adding various filter and provide refiner output using JAVA.  
• Create Restful Web services and run the request and produce the response using POSTMAN and SWAGGER.  
• Worked on Java8 technologies like Collections, Garbage Collection, Exception Handling, Lambda and J2EE technologies like Spring, Servlets, JDBC.  
• Unit test the RESTful API and run test cases  
• Expertise in Spring Boot and Spring Transaction management and Spring Beans.  
• Monitor Procmon jobs and inspect any logs diligently.  
• Experience in writing various complex queries in PL/SQL.  
• Deploy the REST API in various environment via App engine  
• Provide inputs on solution architecture based on evaluation and understanding of solution alternatives, frameworks and products.  
• Design and Develop custom script and use JUNIT for running the test cases.  
• Ensure fixes and deliverables are completed before deadline without compromising the quality.  
• Involved in Story grooming and allocate |

Bachelor’s degree | 9 years | N/A
<table>
<thead>
<tr>
<th>Software Developer Applications II</th>
<th>Bachelor’s degree</th>
<th>11 years</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Interacting with the business users to understand the functionality and their requirements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Designed and developed custom packages, procedures, Triggers using PL/SQL.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Loaded data into Oracle using PL/SQL, Dynamic SQL UTL_FILE, SQL* Loader and extensive use of External Tables</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Extensively worked on Oracle Packages, procedures and functions using PL/SQL, SQL, SQL Navigator and PL/SQL Developer.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Used PIVOT, UNPIVOT, LISTAGG and many functions in Oracle 11G to transform complex source data as per mappings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Performed unit test on the developed code to ensure that it's bug free.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Handled Production and UAT issues and manage the same in issue log.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Interacted with Business Analysts and Users in requirement gathering, built complex queries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Using SQL and wrote stored procedures using PL/SQL.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Involved in the database design for better understanding the relations, associations and dependencies within the database.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Designed Technical design document based on the business requirements.</td>
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<td></td>
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<tr>
<td>• Worked on SQL*Loader to perform bulk data loads into database tables from external data files.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Designed and developed Oracle PL/SQL Procedures, Functions, and Database Triggers and involved in creating and updating Packages to meet business requirements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Created UNIX shell scripts to automate data loading, extraction and to perform regular updates to database tables to keep in sync</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

points to the Sprint stories
| with the incoming data from other sources.  
 | • Wrote complex SQL queries to extract data from various source tables of data warehouse.  
 | • Created various Function Based Indexes to significantly improve performance.  
 | • Created tables, Correlated sub queries, Nested Queries, Views for Business Application Development.  
 | • Experience in Partitioning Framework. Created List, Range partitions to store Transaction and Historical Data.  
 | • Used Oracle packages like DBMS_STATS to collect statistics of many different kinds as an aid to improve the performance and UTL_FILE to read and write operating system text files.  
 | • Extensively used Bulk Collections to insert and update huge amount of data into target databases.  
 | • Extensively used advanced features of PL/SQL like Ref Cursors, Collections (Nested table and VARRAY) and Dynamic SQL.  
 | • Optimized SQL to improve query performance using SQL Navigator and PL/SQL Developer.  
 | • Understanding the requirements and preparing the business requirement and functional specification document.  
 | • Analyzing the reports requirement and designing the Dimensional model.  
 | Software Developer Applications I | Bachelor's degree | 12 years | N/A  
 | • Analyzing the business requirement from technical stand point  
 | • Designing and devising a technical solution for business requirements and problem.  
 | • Architect the solution to per TIAA-CREF standard by using TIAA-CREF best practices and coding standards.  
 | • Suggest, introduce and evaluate latest technologies to implement the said requirements.  
 | • Design and architect the solutions for efficient and timely delivery.  
 | • Coding, building, debugging and migrating Entitlement solutions in to enterprise portals.  
 | • Ability to mentor and lead team of developers and owning the responsibility of the overall sprint or iteration outcome  
 | • Coding and unit testing including JUnits  
 | • Conduct peer review and provide feedback  
 | • Remove the technical impediments.  
 | • Creating and maintaining supporting documentation.  
 | • Written and verbal communication of assignment status. Update regular associates RAG (Red, Amber, Green) status  
 | • Trouble shooting application and
environment issues.
  • Performing and aiding quality assurance testing
  • Performing and aiding in performance testing.
  • Following all internal compliance guidelines and practices including the updating of internal incident tracking software.
  • Wrote unit testing of various components layer with JUnit framework.
  • Design and Architect the SOA applications
  • Identified Requirements done the design and development of use cases using UML