JOB DESCRIPTION:

This position develops and adjusts a proportionate approach that focuses on the client program's critical outcomes, supports the development of the system engineering strategy, coordinating the interfaces management, the requirement management and the RAM aspects. And manages the system engineering process that includes an approach for interfacing and integrating multiple infrastructure providers with different business models. The System Integration Manager works in the Rail and Operations Delivery Branch of the client's office of Program Delivery.

RESPONSIBILITIES AND REQUIREMENTS

- Develops Integration and coordination requirements and implement the process through the client
- Integrates various engineering interfaces and ensuring specification compliance.
- Oversees the entire engineering and construction life cycle, utilizing system engineering principles to provide validation that all requirements have been properly satisfied. Responsible for the technical excellence of the engineering functions of the project including coordination of technical disciplines, quality of designs and adherence to schedule.
- Develops the requirement management through all the contracts and manages the verification and validation process through the program up to the acceptance and certification of the client's system.
- Manages the development and fulfillment of Reliability, Availability and Maintenance plan through all the contracts and provides objective evidences to the Client confirming that the defined Service Quality criteria and RAM performance can be met.
- Manages the development of the configuration Management for the technical documentation and Asset of the client's program.

KNOWLEDGE OF:

- System engineering principle in order to promote an interdisciplinary approach and means to enable the realization of reliable, available and maintainable system; the development of a high quality system delivered in a trustworthy, cost efficiency and schedule compliant manner through the system's entire life cycle.

ABILITY TO:

- Read, write, interpret, and provide critical review and act on a very high level and full understanding of technical requirement documents, engineering manuals, standards and specifications, various form of procurements, contracts and related documents; plan strategically and translate these strategies into policy, process and plans. The system integration leads have also to demonstrate the capability to effectively communicate, both internally with peers and Program leadership as well as externally with stake holders to the program; work on sites to check maintainability requirements.

DESIRABLE QUALIFICATIONS

- Bachelor's degree in Systems Engineering or in a related field
- At least 15 years of experience in positions of increasing responsibility, closely focused on Railway system design, construction and integration, interface and requirement management, with experience on HSR systems.
- In Depth Knowledge/experience of the US railroad industry and/or international railroad systems.
- The ability to maintain good communication skills and working relationships with management, other divisions, districts, federal and state agencies, local agencies and private sector contractors, subcontractors and suppliers and their associations.
- Ability to work collaboratively across rail & transit disciplines (Systems Engineering, Signals, Electrification Systems, Data Communications, and Project Controls), Project Managers, Systems Engineers, Signals Engineers, Analysts, and Coordinators.
- Proficiency and knowledge of office-related computer software applications.
- Availability to occasionally travel to other local offices and job site locations.

ZPRO SOLUTIONS

Title: System Integration Manager
Location: Remote
Salary: $195k - $215k
Hours: Full-Time

ABOUT ZPro SOLUTIONS INC.

With offices in Florida (HQ), California, and New York, ZPro Solutions Inc. (ZPro) was founded in 2016. Certified as a DBE, MBE and SBE in various states and municipalities.

ZPro Solutions is a technology firm offering a full range of consulting services. We specialize in Business Transformation, Enterprise Asset Management, Data Management, Business Operations, Program Management, Project Management, Data Analytics, and Software Sales. Our highly trained and qualified team of consultants provide the skills and expertise to perform comprehensive analysis, using proven methodologies to develop strategies and plans to meet critical business needs. Our team combines expertise in enterprise asset management, projects management, data science and technology to transform industries and bring clients optimal solutions leading to desired outcomes and the greatest ROI.

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