POSITION DESCRIPTION: Principal Operations Research Analyst

CANA LLC (CANA) is a purpose-driven firm that applies analytics-based logistics solutions for Federal and commercial clients. CANA's principles include integrity, quality, the best value, and respect. We believe that a better quality of life is achievable. The science around and application of quantitative methods can make a difference. Our brand, **Powered by CANA Analytics**®, refers to our CANA professionals and our solutions. It is the power of having subject matter experts who can deliver a fusion of information to our clients. This includes applied analytics methods, software development, supply chain and logistics operations, program and project management, energy infrastructure and mobility planning, and logistics systems integration.

The CANA Principal Operations Research Analyst (Principal ORSA) will be a proven leader in the operations research community - commercial and/or Federal sectors. They will provide ethically derived analytical results to support high-impact decisions by CANA clients. The Principal ORSA will present themselves and their work professionally and represent CANA with the utmost pride in working group settings, conferences, with CANA clients, and all company (internal and external) interactions. The Principal ORSA will publish in magazines, peer-reviewed journals, and present research at suitable professional society meetings, conferences, and symposia. The Principal ORSA will provide leadership over technical team members, manage research, analysis and resulting technical products, and promote an entrepreneurial atmosphere.

CANA is a virtual company requiring all employees to work effectively across multiple web-based collaboration, knowledge management, file storage, and work environments. The CANA employee must quickly develop an ability to work effectively with technical teams by using these web-based technologies.

As a CANA employee, the Principal ORSA is encouraged to identify areas of service that CANA might provide to support worthwhile causes related to the employee's areas of interest. In addition, the Principal ORSA is expected to build upon other employee ideas for service by brainstorming how operations research methods might support these.

Summary

The CANA Principal ORSA is an adept, recognized leader in the Federal or commercial operations research community. This senior technical position requires a broad range of application experience, knowledge, and abilities to work independently, with a group, and potentially lead projects and tasks. The Principal ORSA has several critical roles.

Management. *The Principal ORSA will perform a supervisory role, providing regular administrative and developmental guidance and oversight to other members of the CANA analytics team.* The Principal ORSA may be required to manage small technical teams to

accomplish task level efforts, provide verification and validation activities, oversight over other members' technical work, and provide feedback to the project manager.

Project. The Principal ORSA will fill the roles of project lead, technical lead, lead analyst, task manager, or independent researcher, including delivering analytical results based on a defined scope and time frame, managing analytical and modeling and simulation development life cycles, and, at times, developing scope for technical team delivery.

Business. The Principal ORSA develops business and technical solution designs and prototypes; supports current and future client engagements that may lead to the expansion of existing or new businesses; and may provide a Market Lead role for CANA market development.

Technical. The Principal ORSA develops independent research and solutions that may lead to client delivery or retention for internal product management and continued development. The Principal ORSA works independently or with a small technical team as a contributor or team lead.

Requirements

Education. Masters of Science or PhD in Operations Research or a mathematically related curriculum (e.g., Applied Mathematics, quantitative modeling curriculum with applied focus)

Experience. 15 years or more of combined experience, i.e., nine years of operations research modeling and six years of operations and operational management. Five or more years of experience in a direct supervisory role, including performance management and administration responsibilities, is required.

Skills.

- Ability to develop models and simulation programs in multiple software languages and commercial off-the-shelf (COTS) software packages.
- Capable of executing all activities within the life cycle of analysis and modeling and simulation development: problem definition, decision-maker analysis, data analysis, model programming and development, verification and validation, graphical analysis, packaging results for decision-makers, and presenting results.

Abilities.

- Skilled communicator who can prepare, coordinate, and deliver in person, via telephone, or in a virtual, Web-sharing environment.
- Capacity to operate effectively across all management and technical levels - understanding and adapting appropriately for the environment.

- Ability to represent CANA to current and potential clients and in professional forums.

Travel

- 15% travel required

Security Clearance

- Secret or above

PLEASE SUBMIT RESUME TO: Anna Sterrett **at asterrett@canallc.com**