Software Safety Engineer
Summary of Position

BQMI has a rewarding position supporting the NASA Safety and Mission Assurance Engineering Contract (SMAEC III) at the Johnson Space Center in Houston helping to continue our exploration of space. Come join our team and help us continue the mission of space exploration.

This position offers an exciting and challenging opportunity to support NASA's International Space Station, Commercial Vehicles (manned and unmanned) payloads and experiments that are flown on International (e.g. Progress or Soyuz) or commercial vehicles (SpaceX, CST-100). You will be responsible for ensuring the software complies with all applicable Safety and Mission Assurance (S&MA) requirements, as well as all NASA quality standards. Some travel may be required.

Essential Duties & Responsibilities:
* Perform engineering assessments and analyses on the International Space Station, Commercial Vehicles (manned and unmanned) payloads and experiments that are flown on International (e.g. Progress or Soyuz) or commercial vehicles (SpaceX, CST-100).
    1) Assure that software safety design and operations specifications and products meet International Space Station Program (ISSP), Safety & Mission Assurance (S&MA) software safety requirements.
    2) Assess the ISS software development, test, verification, and change products and identify problems and non-compliances.
    3) Ensure compliance with Computer Based Controls System Safety Requirements (SSP 50038B), ISS System Specifications (SSP 41000) and ISS Safety Requirements Document (50021) and applicable NASA standards (7150, 8719, 8739).
    4) Prepare reports, present findings of assessments and evaluations, and provide recommendations to the NASA S&MA Software Team Manager.
    5) Participate in Safety Panel Reviews.

Essential Skills:
* 8+ years related experience; Ability to develop excellent working relationships with customers, peers, and management; Ability to utilize Microsoft Office to prepare reports, presentations, and charts.
* Familiarity with the NASA organization, Software Development, and Software Assurance.
* NASA system flight safety review process experience is desired.
* Experience with direct participation in conducting and documenting space system safety review is desired.
* An understanding of system safety hazards analysis process is desired.
* An understanding of NASA SW Standards 7150 and 8739 is highly desired.
* NASA S&MA experience is desired.

- Excellent written and verbal communication skills are mandatory.
- Must be able to travel (minimal).
- Must be a U.S. citizen with the ability to obtain a Public Trust Clearance.

Experience/Education:
- BS degree in Computer Science or Computer Engineering or related discipline from an accredited University.
- 8+ years' experience in software engineering, software assurance, quality assurance and safety.

Personality or self-management skills:
- Must be able to work independently.
- Must be comfortable interfacing with a variety of individuals at all levels.
- Must be self-motivated to work remotely, in an office or in a technical environment.
- Must be available to work on-site as required.
- Must be available to support shift work and/or weekend work as required.

To apply please submit a current resume and cover letter to:

Banner Quality Management Inc.
Human Resources
careers@bqmi.com

BQMI is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.

Due to contract requirements, U.S. citizenship is required to obtain access to government facilities and systems.