

## Web Application Developer

### Job Description

ViGYAN is looking for a talented developer with a diverse range of experience to contribute to the design and implementation of a web application used within the NASA Exploration Medical Capability (ExMC) element of the Human Research Program. This development is part of an overall software architecture comprised of a medical database and supporting systems for interfacing the database with various analysis tools. The system is used in support of NASA's analysis and decision making processes regarding crew health and mission performance requirements during mission design. The ideal candidate will join a team of engineers, scientists and developers to further define and develop the database and overall software system. Part of the work also involves working with the various medical clinicians in the verification and validation process of the workflows involving the software and associated data within the system.

### Responsibilities:

- Design and develop automated methods for importing, validating, storing, accessing and exporting Medical Database data
- Provide design modifications to the database architecture
- Develop new graphical user interfaces for accessing the database
- Help maintain server environment configurations including Cloud based environments
- Maintain all code branches within configuration management systems
- Participate in all team and customer presentations including agile standups, sprints, and demonstrations
- Work with the team to update the database content based on feedback from ExMC team

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### Requirements:

- BS or higher degree in Computer Science
- Web application development and experience with MVC frameworks
- Experience with database design and development
- Demonstrated experience working with Microsoft SQL Server
- Familiarity with various admin tasks such as working with firewall rules and accounts
- Demonstrated experience working with C# within a .NET framework
- Knowledgeable of Python, Java, and various scripting languages.
- Demonstrated experience providing administration support on Windows
- Comfortable with data formats such as JSON, HDF5 for data transfer
- Familiarity with SysML
- Strong communications skills, verbal and written
- Works well on a team
- "Hybrid" position: onsite at NASA Langley and remotely/at home

**US citizenship or Permanent Residency is required.**

*ViGYAN is an Affirmative Action/Equal Opportunity Employer and does not discriminate against any applicant for employment or employee because of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic prohibited under Federal, State, or local laws.*

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