

Python Developer

Summary of Position

BQMI is seeking a Python Developer to support the Professional, Administrative, Computational and Engineering services (PACE V) Contract at NASA Glenn Research Center in Cleveland, OH.

The successful candidate will provide application development and data analytic support using different programming languages and workflow automation tools. Job tasks may include working in teams, testing applications, and developing prototype applications. Primary role will be in support of scientific applications at Glenn Research Center. The ideal candidate is a developer that utilizes best practices, design patterns, and frameworks. Has a thorough understanding of the implication of software designs and implementation choices on application usability, performance, and maintainability and has a background in data analytics (mathematical/statistical modeling). The candidate will be able to demonstrate use of Agile frameworks when programming.

Essential Duties & Responsibilities:

- Understand client requirements and how they translate in application features
- Collaborate with a team of IT professionals to set specifications for new applications
- Design creative prototypes according to specifications
- Write high-quality source code to program complete applications within deadlines; Perform unit and integration testing before launch
- Conduct data analytics on data managed with a database architecture
- Conduct functional and non-functional testing
- Troubleshoot and debug applications
- Evaluate existing applications to reprogram, update and add new features
- Develop technical documents and handbooks to represent application design and code accurately.

Essential Skills:

Required Skills

- Proven experience as an application developer
- Demonstrated ability in programming with Python
- Proven experience in web development using frameworks such Django, Flask, etc....
- Experienced in designing and building applications
- Excellent understanding of software design and programming principles
- Experience in data analytics including mathematical/statistical model development
- Knowledgeable of Agile/DevOps and utilized these skills when developing solutions
- Utilized Scrum and/or Kanban frameworks.
- Understanding of the GIT source code repository
- Ability to develop workflow automation solutions using at least one tool such as Git
- Able to communicate and work collaboratively with various customers and team members.

Supplemental skills

- Knowledge of JIRA
- Ability to program in other languages such as C, Java
- In-depth knowledge of programming for diverse operating systems and platforms using development tools
- Certified application developer
- UI/UX
- Personality or self-management skills:

Experience/Education:



- Qualified candidates will have 2 - 8 years of development experience and will possess a bachelor's degree from an accredited college/university or equivalent experience in a relevant technical field. A combination of education, training, or certification that provides the requisite knowledge, skills, and abilities may be substituted for the degree. We are looking for someone who is knowledgeable in programming with Python and has evidence of utilizing web frameworks such as Django.

Personality or self-management skills:

- The applicant must be self-motivated, able to organize/schedule workload of multiple concurrent assessment activities and keep their skills current and demonstrate ability to quickly adapt to new technologies.
- Must have solid written and verbal communication skills