IT Software Developer

IT Software Developers identify, document, and analyze customer, business, and system requirements; evaluate alternative approaches; and design and develop solutions tailored to customer requirements. They lead the testing and integration of new and modified solutions into the system. They review and provide guidance on software and configuration management of code developed internally and by vendors; test software developed internally and by vendors; and respond to urgent customer requests to develop and deliver unique solutions. They develop software, configure and manage code, plan and design systems architecture, write and maintain software program documentation, and investigate and evaluate new software technologies. They also ensure the rigorous application of information security and information assurance policies, principles, and practices to the delivery of application software services. They contribute to system and security design specification, documentation, and practice.

Your Roles:

Specific duties will include, but are not limited to, the following:

- Working as a part of a team of geographically distributed software and data professionals;

- Leading in all phases of software development and willing to do whatever is needed to architect, code, test, and ship a world class product;

- Leveraging good design and coding principles, thinking abstractly, mentoring other team members, and knowing how to get things done in collaborative, cross-functional teams;

- Through numerous release cycles, knowing how to debug challenging issues and write solid code while collaborating well within a small, highly experienced team;

- Directly influencing the product, to learn and grow, and to work with exceptional people in a great environment;

- Designing, building, and delivering solutions to meet complex data challenges;

- Communicating with project stakeholders regarding your efforts and how they achieve the Agency's mission;

- Serving as a liaison to the academic, industry, and research communities, such as presenting and publishing your work at conferences and in top-tier publications.

Requirements:

For this particular job, applicants must meet all competencies reflected under the Mandatory Qualification Criteria to include education (if required). Online applications must demonstrate qualification by providing specific examples and associated results, in response to the announcement's mandatory criteria specified in this vacancy announcement:

1.) Proven experience in Python, R, Java, and other similar languages, as applied to programming access and manipulation of data;

2.) Proven experience architecting, building, and testing multi-tier, enterprise software applications;

3.) Proven commitment to test-driven software development;

4.) Experience with web application development (both client and server side) and web application security;

5.) Solid application of modern design principles (OOP, patterns, etc.);

6.) Willing to work within Scrum/Kanban teams in and Agile environment.

Although not required, it is the recommendation of the hiring office that applicants explicitly address in their cover letter how they meet each of the mandatory qualifications listed.

Education:

Education: Bachelor's degree in Computer Science, Engineering, Engineering, Information Science, Information Systems Management, Information Technology, Mathematics, Operations Research, Statistics, or a related discipline.

Experience: Six years of software design or engineering experience in Information Technology or a closely related field that demonstrates the ability to successfully perform the tasks associated with this work.

Relevant competencies: Specialized experience that has equipped the candidate with the particular competencies to successfully perform the duties of the position and is typically in or related to the work of the position to be filled. Experience may be demonstrated by paid or unpaid experience and/or completion of specific, intensive training (for example, IT certification), as appropriate.

Other Qualifications:

In addition to the mandatory qualifications, experience in the following is desired:

1.) Knowledge of RESTful API development;

2.) Experience with source code version control;

3.) Proven ability to translate product requirements into working solutions;

4.) Demonstrated experience mentoring/training other developers;

5.) Solid experience with browser technologies: JavaScript, CSS, TypeScript and frameworks such as React, Angular, SASS, etc.;

6.) Extensive experience with Machine Learning and/or Artificial Intelligence (AI).

3) Best-qualified applicants may then be further evaluated through an interview process.