Sr. Full Stack .NET Software Engineer (IT@JH University Information Systems)

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IT@JH University Information Systems (UIS) is seeking a ***Sr. Full Stack .NET Software Engineer*** who will participate in and/or guide the development and support of administrative and educational/academic computing initiatives, including the Student Information System (SIS). The Sr. Software Engineer is responsible for the planning, development, implementation and support of centrally managed systems which support the academic mission of the university.

Responsible for the creation, implementation, maintenance, performance, production support and documentation of various departmental and enterprise-wide application systems. This includes but is not limited to the installation, modification, and testing of new and/or upgraded applications (packages or home grown), operating systems, file structures, hardware, communication devices, and productivity tools. Applies analysis techniques and procedures to gather and then translate business requirements into functional/technical specifications and designs. Using functional specifications and designs, produces all or part of the deliverables. Maintains databases and application system code.

Specific Duties & Responsibilities

> The responsibilities listed below are typical examples of the work performed by this position. Not all duties assigned to this position are included, nor is it expected that everyone in this position will be assigned every job responsibility.

Analysis & Requirements Gathering

- Define highly complex business/clinical/education problems by meeting with clients to observe and understand current processes and the issues related to those processes. Provide written documentation of findings to share with the client and other IT colleagues.
- Gather highly complex system requirements by meeting with clients and researching existing technology to understand the business requirements and possible solutions for new applications.

Design & Development

- Develop detailed tasks and project plans by analyzing project scope and milestones for highly complex projects to ensure product is delivered timely according to software lifecycle standards. Direct lower-level staff by reviewing tasks and milestones for adherence to quality of deliverables.

- Write functional/technical specifications from the highly complex system requirements, putting them into functional and technical descriptions for use by programmers and business analysts to develop technical solutions. Direct lower-level staff by reviewing their completed work.
- Develop/change data input, files/database structures, data transformation, algorithms, and data output by using appropriate computer language/tools to provide technical solutions for highly complex application development tasks. Direct lower-level staff by reviewing their work.
- Document code and associated processes by adhering to development methodologies, adding code comments and appropriate documentation to various knowledge-based system(s) to simplify code maintenance and to improve support. Direct lower-level staff by reviewing their work.
- Provide monitoring and guidance in application design and development to more junior staff. Give direction and leadership in techniques and tools to lower-level staff.
- Provide experienced leadership for strategic planning in designing and developing comprehensive innovative integrated solutions.

Testing & Documentation

- Create and document highly complex test scenarios using the appropriate testing tools to validate and verify application functionality.
- Test all changes by using the appropriate highly complex test scenarios to ensure all delivered solutions work as expected and errors are handled in a meaningful way.
- Author and maintain documentation by writing audience-appropriate materials to serve as technical and/or end-user references.
- Mentor junior staff in testing tools and technologies by reviewing their work.

Implementation & Maintenance

- Implement changes by adhering to the change management policies and procedures for any given project to communicate to all parties the nature, significance, and risk factors of the solution.
- Monitor changes and resolve highly complex problems requiring the highest level of technical expertise by responding as they occur, by reviewing all processing and output of the newly implemented solution, and by proactively ensuring the solution works successfully to satisfy the customer requirements and to provide a smooth transition to the new solution.
- Provide support by investigating and resolving highly complex issues to ensure prompt, effective service.

Other duties as assigned.

Minimum Qualifications

- Bachelor's Degree (or foreign equivalent) in computer science, computer information systems, information technology, electronic engineering, or a related field.
- Six years of related experience with computer systems and applications.
- Additional education may substitute for required experience and additional related experience may substitute for required education beyond a high school diploma/graduation equivalent, to the extent permitted by the JHU equivalency formula.

Preferred Qualifications

- Experience with Microsoft .NET and C#.
- Experience with SQL.
- Source Control: Git / Gitflow.

Thorough knowledge of, and demonstrable experience

- OS/Infrastructure - Windows, Linux, Docker.
- Web app platforms - Vue.JS or similar JavaScript framework.
- Cloud integration - AWS or Azure.
- Experience XML/XSL, JSON, HTML/JavaScript/CSS; report development experience with SQL Reporting Service is desirable.
- Experience with .NET Framework, .NET Core, ASP.NET, ASP.NET MVC, Web API, VB.NET
- Experience developing T-SQL objects like views, stored procedures, user-defined functions, etc.
- Experience with AI coding agents for software development.

Classified Title: Sr. Software Engineer
Job Posting Title (Working Title): Sr. Full Stack .NET Software Engineer (IT@JH University Information Systems)
Role/Level/Range: ATP/04/PF
Starting Salary Range: $85,500 - $149,800 Annually (Commensurate w/exp.)
Employee group: Full Time
Schedule: Mon-Fri, 8:30am-5pm
FLSA Status: Exempt
Location: Remote
Department name: IT@JH University Information Systems
Personnel area: University Administration

The listed salary range represents the minimum and maximum Johns Hopkins University offers for this position, based on a good faith estimate at the time of posting. Actual compensation will vary depending on factors such as location, skills, experience, market conditions, education, and internal equity. Not all candidates will qualify for the highest salary in the range.Johns Hopkins provides a comprehensive benefits package supporting health, career, and retirement. Learn more: https://hr.jhu.edu/benefits-worklife/.Equal

Opportunity Employer All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran.EEO is the Lawhttps://www.eeoc.gov/sites/default/files/2023-06/22-088_EEOC_KnowYourRights6.12ScreenRdr.pdf