Senior Software Developer

higheredjobs.com/search/details.cfm

Type: Full-Time
Salary: $70,000 - $80,000 per year
Posted: 16 days ago
Application Due: 02/01/2026
Category: Software Engineer/Programmer

Remote Employment:
Flexible/Hybrid

Job Number: 202600029

BASIC PURPOSE

This position is approved for primarily remote work with a required number of days on campus in Blue Bell, PA. While an effort will be made to schedule these dates in advance, it may be necessary to be on campus to respond to an unplanned IT incident. *Employees of the College are required to live in Pennsylvania, New Jersey, or Delaware. Relocation assistance is not available for this position.

Basic Purpose: The Senior Software Developer evaluates, designs, develops, and maintains custom software solutions that provide ideal user experiences, maximize end user performance, and permit effective business processes. Additionally, the Senior Developer integrates commercial software systems with existing infrastructure so as to enable shared data sets and a cohesive user experience. The Senior Developer is responsible for leading the analysis of functional and technical requirements, formation of technical design specifications, identification of existing open-source or commercially available components, creation of custom software code directly or through the use of AI solutions and development of testing processes and documentation. The Senior Developer researches, recommends, directs, and implements the use of technologies appropriate to satisfy the desired technical and business objectives. The Senior Developer acts as the primary resource for custom software development and implementation of AI solutions to enhance custom development. Additionally, the Senior Developer provides guidance to other members within the Software Development and Processes Automation and Enterprise Software teams.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Collaborate with College leaders to understand complex strategic objectives and, when appropriate, translate those into appropriate software solutions. Analyze technical and business needs and provide direction in the use of appropriate software development architectures, methodologies, and platforms.
- Evaluate and implement AI solutions that enhance custom development. Ensure that these AI solutions adhere to college security standards and promote future maintainability.
- Create end user AI solutions that increase efficiency, enhance self-service for both student and staff, maximize employee performance, create better and faster workflow designs and provide personal engagements for our students.

- Work independently to prototype, develop, and test custom software solutions that satisfy current business needs or further enhance the customer experience. Ensure custom developments adhere to College security standards and promote future maintainability.
- Utilize vendor-provided APIs, direct database access, low/no code software and custom software to extend and integrate enterprise software systems in ways that further achieve College strategic goals.
- Serve as the primary developer on projects involving custom software solutions or systems integration requiring software development.
- Act as an expert consultative resource to the IT Department in the support and maintenance of a broad range of technologies, software solutions and business processes.
- Assumes the role of technical liaison with vendors on integration projects ensuring successful project delivery through technical guidance and problem-solving.
- Provide technical guidance to others on the IT team who participate in the integration, customization, or development of custom software.
- Independently develop and conduct testing procedures that ensure proper fulfillment of business process through developed software across multiple device types and clients.
- Manage source code repositories and write technical documentation that enables future maintenance and support of developed software.
- Remain current with higher education technology solutions and trends so as to recommend commercial software solutions that satisfy institutional needs. Actively participate in industry user communities and conferences.
- Other duties as assigned.

ESSENTIAL KNOWLEDGE AND SKILLS

1. **Education/Training/Work Experience:**
    - Bachelor's Degree in a related field.
    - Strong experience in the Microsoft .NET developer platform.
    - Experience utilizing AI-based software development tools.
    - Experience implementing AI technologies that enhance the end user experience.
    - Experience guiding enterprise software development strategies (preferred).
    - Experience managing software development projects (preferred).
    - Experience in front-end development technologies such as JavaScript, HTML, CSS, XML, XSL, JSON, etc.
    - Experience using various development environments and technologies such as jQuery, AJAX, Java, PHP, Python, C#, .NET, etc. in the development of business solutions.
    - Experience integrating disparate systems through the use of software APIs and web services such as REST or through direct database calls.
    - Experience with developing software referencing Microsoft SQL data repositories.
    - Experience managing enterprise code repositories and version control through source control systems such as Git.
    - Experience in the administration of Microsoft Windows servers and related technologies.
2. **Specialized Knowledge & Skills:**
    - Ability to learn new software development environments and languages as needed.
    - Thorough understanding of software design principles.
    - Familiarity with the Microsoft Windows development environment
    - Excellent customer service skills.
    - Ability to effectively communicate both orally and in written format.
    - Strong analytical skills and the ability to independently solve problems.
    - Quick learner.
    - Strong time management skills and ability to juggle multiple priorities.

Montgomery County Community College is committed to assuring equal opportunity to all persons and does not discriminate on the basis of race, color, religion, religious creed, sex, pregnancy, ancestry, national origin, age, affectional or sexual orientation, genetic information, gender identity, gender presentation, veteran's status, marital status or disability in its educational programs, activities, or employment practices as required by Title IX of the Educational Amendment of 1972, section 504 of the Rehabilitation Act of 1973, and other applicable statutes.

Inquiries concerning Title IX relating to equal opportunity on the basis of sex should be referred to: Title IX Coordinator, Mikiba W. Morehead, Ed.D., TNG, LLC, at titleixcoordinator@mc3.edu.

All other equal opportunity inquiries, including those based upon disability, should be referred to: The Director of Equity, Diversity & Belonging, at 504@mc3.edu or 215-619-7383. Montgomery County Community College (MCCC) has a strong institutional commitment to diversity and is dedicated to excellence through diversity in education and employment. MCCC, an EEO Employer, provides equal employment and educational opportunities to all who are qualified. In keeping with the College's diversity initiative, MCCC seeks and welcomes applications from diverse candidates, those who have had multicultural experience, and those who can demonstrate a commitment to diversity.