Full-Stack Application Developer  
Operating Systems Programmer/Analyst 2 (UCP 7)

Job Summary

The University of Connecticut (UConn), Analytics and Information Management Solutions (AIMS) group (http://aims.uconn.edu) is seeking to hire a Full-stack Application Developer (Operating Systems Programmer/Analyst 2), UCP 7. This position will provide technical support on our Health IT initiatives, where the individual will create, maintain, and test code, along with designing mobile portal front-ends and back-ends. This position will provide view/presentation, business logic, and data back-end programming along with quality improvements, using various models and methods to measure and analyze clinical, claims, and administrative data. This position is located at the downtown Hartford campus.

UConn AIMS, working with the State of CT’s Office of Health Strategy (OHS), is leading the design, development, and implementation of the Core Data Analytics Solution (CDAS), which will leverage leading-edge technologies to curate, process, and enhance large amounts of healthcare data to fuel the analytics to support state-wide healthcare initiatives.

Job Duties & Responsibilities include but are not limited to:

1. Design and write enterprise strength Java and/or C# code and database queries.
2. Design, develop, implement, and maintain a reusable software component.
3. Complete application architecture design and implementation.
4. Exercise a solid understanding of the MVC architectural pattern.
5. Apply User Interface (UI) implementation and mobile styling.
6. Use SCM systems, particularly Git/Bitbucket.
7. Create and consume RESTful APIs securely and efficiently.
8. Drive application and feature development from wireframes and specifications to a tested, working product.
9. Develop applications, APIs, and associated life cycle deliverables using the Agile SDLC.
10. Perform all the steps required to design, test, and code applications.
11. Develop procedures, documentation, and operating instructions and successfully move programs into production.
12. Attend training and further professional development to learn and implement new technologies and languages.
13. Participate effectively as a team member using an efficient self-paced approach when working in a startup environment.
14. Perform other duties as assigned.

Minimum Qualifications

1. Bachelor’s degree in Software Engineering, Computer Science, Information Systems, or a related Science, Technology, Engineering and Mathematics (STEM) discipline or an equivalent combination of training and experience.
2. Minimum of two (2) years of development experience in Java and/or C#, and Javascript frameworks, such as AngularJs and/or React.
3. Two (2) + years of experience building client-facing and publicly-deployed web applications.
4. Solid understanding of Object Oriented programming.
5. Experience with build and deployment tools, such as Maven/Nuget, Gradle, and Git/Bitbucket.
6. Experience building and/or interacting with web services including RESTful and SOAP.
7. Experience building secure applications and knowledge of options for authentication, authorization, encryption, and other security considerations.
8. Ability to proactively identify technical issues and risks and develop alternative techniques and/or solutions.
9. Ability to work independently as well as with team members, collaboratively utilizing excellent verbal and written communication skills, organizational, and analytical skills.

Preferred Qualifications

1. Experience delivering technology-based solutions following Agile/SCRUM SDLC.
2. Experience with Visual Studio and/or Eclipse.
3. Experience with Azure cloud platform.
4. Experience integrating with Tableau or other data visualization/analysis tools.
5. Experience with Liferay and/or portal application development.
6. Extensive UX/UI development and design.
7. Extensive application security knowledge, including authentication and authorization experience using OAuth2 / OpenID Connect.
8. Working knowledge of web design, caching techniques, and performance optimizations.
9. Experience with mobile application development.
10. Extensive database experience including Relational DBMS, NoSQL and big data technologies such as Hadoop and Hive.
11. Current knowledge of industry trends and innovations that can be applied to projects.
12. Understanding of various healthcare formats and reference data sets, such as, HL7, claims, eCQMs, drug/pharmacy, clinical notes, lab result.

APPOINTMENT TERMS: This is a full-time, grant-funded position that is subject to annual renewal depending on available funding and job performance. The standard work schedule is Monday – Friday, 8:30 am – 4:30 pm. Salary will be commensurate with experience. Work location is at the Hartford campus.

TO APPLY: To apply, please submit an online application that includes a cover letter, a resume and contact information for three (3) professional references, online via UConn Jobs, Staff Positions (www.jobs.uconn.edu). Evaluation of applications will begin immediately.

Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check. (Search # 2019036)

This job posting is scheduled to be removed at 11:59 p.m. Eastern time on August 16, 2018.

All employees are subject to adherence to the State Code of Ethics which may be found at http://www.ct.gov/ethics/site/default.asp.
The University of Connecticut is committed to building and supporting a multicultural and diverse community of students, faculty and staff. The diversity of students, faculty and staff continues to increase, as does the number of honors students, valedictorians and salutatorians who consistently make UConn their top choice. More than 100 research centers and institutes serve the University’s teaching, research, diversity, and outreach missions, leading to UConn’s ranking as one of the nation’s top research universities. UConn’s faculty and staff are the critical link to fostering and expanding our vibrant, multicultural and diverse University community. As an Affirmative Action/Equal Employment Opportunity employer, UConn encourages applications from women, veterans, people with disabilities and members of traditionally underrepresented populations.