

POSITION:

Software Architect/Developer
Informatics Research Institute (IRI)

RESPONSIBILITIES:

Participate in software development in enterprise computing and geospatial analysis and visualization domains. Analyze user specifications and requirements. Code, test, debug, deploy, train, and document programs on large-scale, complex projects for applications to industry. Revise and update software and documentation as required. Actively seek new tools and technologies and implement them in the software development lifecycle. Be part of a team that performs client needs assessments, develops statements of work for projects, and determines the architectural blueprint necessary for software development. Positions are available for Lafayette or Baton Rouge office. The candidate will ensure that all software development is consistent with the Center's commitment to standards and high quality of service to clients. The candidate will participate in a synergistic fusion of technology development and economic development by architecting commercially viable software tools for applications in the public and the private sector.

ENVIRONMENT:

The Informatics Research Institute (IRI) conducts research and development for governmental and industrial partners in the design and implementation of solutions based on collection, management, and analysis of data and information. IRI leverages the expertise in its four constituent centers: Center for Business & Information Technologies (CBIT) focuses its activities on fostering software and business analysis innovations and is a recognized leader in technology-based economic development in the state of Louisiana. Center for Visual and Decision Informatics (CVDI) is an NSF Industry/University Cooperative Research Center (I/UCRC), the only of its kind in the U.S. addressing Big Data and data science issues, and the first ever such center in the State of Louisiana. Louisiana Center for Health Informatics (LCHI) focuses its activities in health informatics driven innovations in healthcare including such domains as public health, population health, healthcare policy, cost, quality outcomes, personalized medicine, and advanced analytics. National Incident Management Systems and Advanced Technologies (NIMSAT) Institute has a focus on the development of public-private partnerships and the application of advanced information technologies in homeland security and emergency management.

QUALIFICATIONS:

Bachelor's degree (master's preferred) in Computer Science or Computer Information Systems (CIS) or a closely related field, with a demonstrated track record in software development including the design, development, verification, integration and deployment of software systems. The candidate must have strong hands-on experience in such areas as operating systems (LINUX, Windows), programming (Java, C++, .NET, C#, OpenGL, XML, HTML), GIS systems and applications (ESRI and other open source geo-spatial applications), database design and analysis and software engineering. Experience in Microsoft Dynamics, SharePoint, SQL, Visual Studio and other similar products a plus but not required. Five (5) years of work experience in developing software systems in real world settings may substitute for the required bachelor's degree; and, seven (7) years of work experience will be considered equivalent to a Master's degree.

UNIVERSITY and COMMUNITY:

The mission of the University of Louisiana at Lafayette is to offer exceptional education informed by diverse world views striving to develop innovative leaders who advance knowledge. Accredited by Southern Association of Colleges and Schools Commission on Colleges, UL Lafayette is a public research university with high research activity, with an enrollment of over 18,000 students and 800 faculty members. UL Lafayette is the largest of nine universities in the University of Louisiana System. The University offers degree programs in 55 undergraduate disciplines, 15 post-bachelor certificates, seven graduate certificates, the master's degree in 28 disciplines and the doctorate in 10 disciplines. Under the Carnegie Classification System, the University is a Doctoral University with Higher Research Activity. The most recently reported annual research and development expenditure was \$77 million. The University has a proud record of collaborations with the industry, having been ranked 10th in the nation by the National Science Foundation in terms of R&D expenditure percentage supported by the industry. Additional information about the University is available on the University's webpage at <http://louisiana.edu/>

SALARY:

Commensurate with qualifications and experience.

APPLICATIONS:

The search committee will review applications starting immediately and continue until the position is filled. Candidates should send a letter of intent; curriculum vitae; and name, address and telephone number of at least four references. Additional materials, of the candidate's choice, may also be sent. Applications should be sent to: Software Architect/Developer Position, Informatics Research Institute (IRI), 635 Cajundome Boulevard, Lafayette, LA 70506 or email to: sdenton@louisiana.edu.