



Staff Vacancy

Position: Senior Geographic Information System (GIS) Software Architect EEO# RD 34-14

Responsibilities:

The University of Louisiana at Lafayette invites nominations and applications for the position of Senior GIS/Software Architect. The Senior GIS/Software Architect will:

- Lead the design, development and delivery of the architecture for complex GIS/spatial data visualization software solutions across the development life cycle.
- Apply technologies such as quantitative analysis, distributed computations, data mining to computer simulations, mathematical models and complex data visualizations.
- Responsible for software design and development activities including leading, coordinating, participating in activities such as software architecture and software development.
- Research, analyze and identify latest software technologies to deliver efficient software applications and tools.
- Works collaboratively with software development teams, federal scientists and resource managers to develop and deliver decision-making tools and solutions.
- Lead and provide technical expertise to software development team.
- Lead, design and develop web and GIS mapping applications.
- Participate in team meetings to discuss ongoing project status and deliverables.

Qualifications:

- B.S in Computer Science, or Engineering from a regionally accredited institution.
- Advanced degree and/or 10+ years' experience in software development, with at least 3+ years of experience in the lead software developer role.
- Previous experience in implementing and building GIS/spatial data visualization applications.
- Strong programming skills with previous experience in designing and implementing software architectures.
- Experience in data mining approaches for computation and distributed storage of scientific modeling data.
- Demonstrated experience in design, development, integration and deployment of web and software applications.
- At least 5+ years of web programming languages and environment (Visual Studio, ASP.NET, C#, MVC, IIS, and JavaScript frameworks such as JQuery, Dojo etc.)
- At least 3+ years of hands-on coding experience in programming languages (C++, and/or Java)

- At least 3+ years of experience implementing database technologies including SQL, MSSQL and MySQL
- Previous experience in ESRI's ArcGIS Suite of technologies (ArcInfo, ArcMap, ArcCatalog, ArcGIS Server, ArcSDE).
- Previous experience in Eclipse RCP, Java, NetCDF libraries, and WorldWind API Java libraries required for building scientific/biological modeling tools is desirable.
- Previous experience with cloud services (AWS, Microsoft Azure) is desirable.
- Previous experience in federal industry on coastal restoration science research efforts is a plus.
- Should have an ability to work as mutually dependent and supportive team as part of the federal programs supported by the Regional Application Center
- Good communication skills are essential; as are equanimity under stress and an ability to adapt quickly to change.

Administrative Unit:

The Regional Application Center is a research center at the University of Louisiana at Lafayette whose mission is to provide NASA based and other remotely sensed technologies to the general public. These include providing the capability to receive directly and indirectly, manipulate, and disseminate satellite and other remotely-sensed and geospatial data effectively and inexpensively for Earth resource application development and education. It also provides geospatial technology support to Programs and Departments on campus, the USGS National Wetlands Research Center and the Louisiana Army National Guard. The Regional Application Center consists of a Director, supporting multiple research positions, and multiple interns at the graduate and undergraduate level.

Salary: Dependent on qualifications and experience.

Starting Date: ASAP

Applications: Candidate review will begin immediately. Applicants should send a cover letter, resume, and the names and contact information of three references to:

Sumani Chimmula
Regional Application Center
University of Louisiana at Lafayette
635 Cajundome Blvd.
Lafayette, Louisiana 70506
or Email to: sxc0627@louisiana.edu