

JAVA MIDDLEWARE AND WEB DEVELOPER (RESEARCH ENGINEERING/SCIENTIST ASSOCIATE III)

ABOUT TACC

The Texas Advanced Computing Center (TACC) at The University of Texas at Austin (UT Austin) is a leading research center for computational excellence in the United States. TACC's mission is to enable discoveries that advance science and society through the application of advanced computing technologies. To fulfill this mission, TACC staff help researchers and educators use these technologies effectively, and conduct research and development to make these technologies more powerful, more reliable, and easier to use. TACC staff also help encourage, educate, and train the next generation of researchers, empowering them to make discoveries that change the world.

JOB DESCRIPTION

This position will join the Advanced Computing Interfaces group as a Java middleware and Web Developer. The position will help design, develop, deploy, and support middleware, web portals and gateways that enable researchers to utilize distributed advanced computing resources.

The primary responsibilities of this position at TACC are the following:

- Develop new applications and capabilities for the current TACC web-based portal projects, such as the TACC and XSEDE User Portals;
- Interact and collaborate with the researchers at UT and in the national academic research community to gather and analyze requirements for portals and application-focused science gateways;
- Candidate must be willing and able to research issues independently and be assertive with respect to solving problems and completing tasks;
- Utilize software development tools and techniques including source control management, prototyping, unit testing, documentation, bug tracking, and peer code review;
- Perform maintenance and provide support on software running in a critical production environment;
- Assist in the publication of results from development and research activities through presentations at conferences and workshops, as well as through publications in conference proceedings and professional journals;
- Participate in teleconferences for national projects involving project staff across the country; and
- Other related functions as assigned.

REQUIRED QUALIFICATIONS

The selected candidate must have the following minimum qualifications:

- Bachelor's degree in computer science, information science, mathematics, or a computational science or engineering discipline and two years of relevant experience;
- Desire to be part of a team that strives to advance science;
- Demonstrated expertise in object oriented software design and development;
- Proficiency with common web application programming languages, tools, and protocols such as HTTP, Java, JSP, Servlets, XML, CSS, JavaScript, JQuery, HTML, Apache httpd, Tomcat, Ant / Maven, AJAX, and web services;
- Must be comfortable working on Unix-based servers;
- Must be self-motivated and possess good communication and organizational skills with demonstrated success working in a team environment; pleasant, flexible, and efficient communicator by phone, email, IM, and in person;
- Equivalent combination of relevant education and experience may be substituted as appropriate.

PREFERRED QUALIFICATIONS

One or more of the following qualifications are strongly desired:

- Advanced courses leading to a Master's or PH.D. degree in computer science, information science, mathematics, or a computational science or engineering discipline;
- Four years of relevant experience;
- Demonstrated expertise in using and developing web applications;
- Experience with Java portlets (JSR168) and/or Java portal frameworks (Liferay, GridSphere, WebSphere) as well as other web frameworks like GWT, Drupal, CakePHP, Django, etc);
- Experience with scripting languages such as PHP, shell, Perl, Ruby, Python;
- Experience with high performance computing and grid computing.

INSTRUCTIONS TO APPLICANTS

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, citizenship status, Vietnam era or special disabled veteran's status, or sexual orientation.

Working conditions include exposure to standard office conditions including repetitive use of a keyboard at a workstation; employee may work around electrical and mechanical hazards. This position is security sensitive; conviction verification conducted on applicant selected.

The retirement plan for this position is Teacher Retirement System of Texas (TRS), subject to the position being at least 20 hours per week and at least 135 days in length.

Application requirements: go to <https://utdirect.utexas.edu/apps/hr/jobs/> for complete job description and follow instructions to apply for job number 11-12-01-01-4209 using your on-line resume. For additional information about this position, please contact Janie Bushn at jbushn@tacc.utexas.edu.