Software Engineer (A1400032)
University of Illinois Extension, Office of Web Development
College of Agricultural, Consumer & Environmental Sciences

Location: Urbana Campus

The Software Engineer will design, develop and support Extension organizational/system data software tools to enhance Extensions’ daily processes. These tools include: Personnel, hiring process, cash sales/money received report system, Bank Account Database System, Inventory Control System, 4-H Data Management System, Custom Accounting System and Contact/Activity reporting system.

The position will collaborate with Extension Administration and Specialists, Extension field staff, and web development colleagues in carrying out the activities of the office.

Appointment: The position is defined as a full-time 12 month, academic professional appointment. Salary is commensurate with qualifications and experience. The start date will be as soon as possible after the close date of the search.

This is a security-sensitive position. Comprehensive background checks, including but not limited to a criminal conviction information check, a CANTS check, and a review of the Registered Sex Offender list, will be conducted.

Responsibilities

- Conduct analysis of Extension tools.
- Design and implement new Extension tools and features ensuring application specifications to meet Extension’s needs.
- Maintain, evaluate, and support U of I Extension tools and data bases.
- Provide leadership in the development and maintenance of Extension tools.
- Work directly with authors and customers to prioritize system requests and resolve issues independently.
- Experiment with new technologies relevant to the area of tools development.
- Collaborate with colleagues in the Office of Web Development to improve the overall software design, development, testing, release, and support processes.
- Teach staff in the use of new tools and provide excellent user support.
- Assume responsibility for project leadership, software development lifecycle, user interface design, and project management.
- Produce documentation of tools including requirements and design documents, code documentation, user documentation and other reports as needed.
- As requested, prepare and present demonstrations of the current technology at conferences, workshops and to visitors.
- Ensure the protection and security of data that is accessed, collected or stored by web applications and databases.
• Direct and be responsible for the overall design, implementation, management, and evaluation of the U of I Extension Customer and Volunteer Management System.
• Perform other duties and responsibilities as may be assigned by the Extension Specialist, Urban Programs/Web Coordination.
• Comply with Affirmative Action Equal Opportunity policies and guidelines in all aspects of University work and responsibilities.

**Administrative Relationship:** Reports to Extension Specialist, Urban Programs and Web Coordination.

**Required Qualifications**
- B.S. in Computer Science or related field.
- Three years of experience in computer programming, web design, and database management.
- Extensive knowledge of JavaScript, SQL, MVC, Restful API, and ColdFusion/PHP.
- Experience in continuous integration and quality control using a version control system (SVN).
- Experience in project management, systems analysis and development practices.
- Experience in unit testing, debugging, refactoring and code review.
- Experience in software development lifecycle, quality assurance, release management, problem resolution and user interface design.
- Evidence of strong interpersonal and teamwork skills.
- Strong written and verbal skills.
- Experience in industry standard processes including accessibility issues.

**Preferred Qualifications**
- M.S. in Computer Science or related field.
- Knowledge of iOS, Android, Corona SDK

**Application Procedure:** Please create your candidate profile at [http://go.illinois.edu/A1400032](http://go.illinois.edu/A1400032) and upload a cover letter and resume addressing your qualifications as they align with the job description. In addition, step one of the online application will require the names and contact information of three professional references. Finalists will be asked for three letters of reference and transcripts.

To receive full consideration, all requested application materials must be submitted via the U of I online system by the close date of **February 19, 2014**.

For further information about the position, please contact Jane Scherer at jscherer@illinois.edu. For technical assistance with the online application process, call 217-333-6747 or email jobs@illinois.edu.

*Illinois is an Affirmative Action /Equal Opportunity Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. ([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu)).*