Job Description

Special Instructions Summary

Application deadline is March 4, 2022 with an anticipated start date of April 1, 2022 or sooner.

Department

INDIANA GEOLOGICAL & WATER SUR (BL-GEOY-IUBLA)

Job Summary

The Indiana Geological and Water Survey, a research institute of Indiana University, seeks applications for a System Analyst/Programmer to provide technical expertise in the developing and programming customized websites and designing web pages, including new online services and custom applications to support research activities.

Department-Specific Responsibilities:

- Develops high-performing websites and web applications, including building and implementing back-end (APIs, databases) and front end (interfaces, web-based tools) solutions. These custom applications will support enterprise databases, geographic information systems, web-based applications, and geospatial data services.
- Works with staff, business partners, and granting agencies to determine their programming needs, and develop custom applications and design integrated solutions that adhere to accepted, proven development architectures and standards, using the IGWS Content Management System where appropriate.
- Works in a team environment with staff that has primary responsibilities for network administration, database systems, geographic information systems, and website management.
- This position is critical in managing, supporting, and maintaining all of the Institute's websites and their security.
- Provides experienced analysis and programming related to the design, development, and support of systems.
- Consults with stakeholder(s) to define system requirements, problems, and proposals; conducts detailed studies, presents detailed requirements/designs to the stakeholder(s), and obtains agreement and approval for proposed updates/changes.
- Prepares conversion and systems implementation plans and schedules; translates system design to detailed program specifications.
- Researches and stays up-to-date with new standards, tools, and emerging technology and services and makes recommendations for possible short-term, mid-term or long-term integration.

General Responsibilities:

- Provides experienced analysis and programming related to the design, development, and support of systems.
- Consults with stakeholder(s) to define system requirements, problems, and proposals; conducts detailed studies, presents detailed requirements/designs to the stakeholder(s), and obtains agreement and approval for proposed updates/changes.
- Prepares conversion and systems implementation plans and schedules; translates system design to detailed program specifications.
- Documents systems analysis and programming efforts (changes, new functionality, issue/problem resolution); performs system unit and integration testing and presents final test results to stakeholder(s) and/or leadership.
- Researches and stays up-to-date with new standards, tools, and emerging technology and services and makes recommendations for possible short-term, mid-term or long-term integration.
- Ensures that all protocols used in the design and programming of systems are up to date and compliant with university policies and standards.

Qualifications

EDUCATION

Required
- Bachelor's degree (preferably in computer science or a related field).

Preferred
- Master's degree in informatics, computer science, or a related field.

WORK EXPERIENCE

Required
- 2 years of systems programming / analysis or related experience.

Preferred
- Experience including full stack web development, design, or related experience with backend languages/frameworks (e.g. ASP.NET, PHP, Node, or ColdFusion,) and databases, such as MSSQL.

Combinations of related education and experience may be considered.

SKILLS

Required
- Proficient communication skills.
- Maintains a high degree of professionalism.
- Demonstrated time management and priority setting skills.
- Demonstrates a high commitment to quality.
- Possesses flexibility to work in a fast paced, dynamic environment.
- Seeks to acquire knowledge in area of specialty.
- Highly thorough and dependable.
- Demonstrates a high level of accuracy, even under pressure.

Preferred
- HTML, CSS, and JavaScript.
- Experience with Sys Admin including IIS and managing Windows web servers.
- Ability to develop, integrate, and support for application programming interface(APIs).
- ColdFusion development and administration.
- Ability to create, lead and manage projects involving a variety of staff and junior developers.
- Working knowledge of jQuery and a JavaScript framework such as Angular, Vue, or React.
- Communications skills with both technical and non-technical colleagues.
- Web development and database design experience.
- GitHub environments and DevOps tools such as Docker or Jenkins.
- Ability to research and stay up-to-date on new industry web standards, emerging technology, and accessibility standards.
- Experience in natural sciences is a plus.

Working Conditions / Demands
This role requires the ability to effectively communicate and to operate a computer and other standard office productivity equipment. The position involves sedentary work as well as periods of time moving around an office environment and the campus. The person in this role must be able to perform the essential functions with or without an accommodation.

Work Location

Indiana University Bloomington.

This is an in-person position.

Job Classification

Career Level: Career
FLSA: Exempt
Job Function: Information Technology
Job Family: Sys Admin, Engineer & Program
Salary information: $55,000 - $65,000

Click here to learn more about Indiana University's Job Framework.

Posting Disclaimer

Due to the COVID-19 pandemic, there may be differences in the working conditions as advertised in our standard job postings (e.g., the ability to travel from one campus to another, etc.). If you are invited for an interview, please discuss your questions or concerns regarding the working conditions at that time.

This posting is scheduled to close at 11:59 pm EST on the advertised Close Date. This posting may be closed at any time at the discretion of the University, but will remain open for a minimum of 5 business days. To guarantee full consideration, please submit your application within 5 business days of the Posted Date.

If you wish to include a cover letter, you may include it with your resume when uploading attachments.

New employees will be provided with information regarding Indiana University’s COVID-19 vaccine policy, which includes the opportunity to request an exemption. To learn more, view our COVID-19 vaccine information page.

Equal Employment Opportunity

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status. Indiana University does not discriminate on the basis of sex in its educational programs and activities, including employment and admission, as required by Title IX. Questions or complaints regarding Title IX may be referred to the U.S. Department of Education Office for Civil Rights or the university Title IX Coordinator. See Indiana University’s Notice of Non-Discrimination here which includes contact information.

Campus Safety and Security
The Annual Security and Fire Safety Report, containing policy statements, crime and fire statistics for all Indiana University campuses, is available online. You may also request a physical copy by emailing IU Public Safety at iups@iu.edu or by visiting IUPD.

Contact Us

Request Support
Telephone: 812-856-1234