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.

**Position summary:**
Write custom applications that support enterprise databases, geographic information systems, web-based applications, and geospatial data services. Work 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. Work in a team environment with staff that has primary responsibilities for network administration, database systems, geographic information systems, and website management. Position is critical in managing, supporting, and maintaining all of the Institute’s websites and their security.

**Minimum Education and Experience:**
Bachelor’s degree in informatics, computer science, or related field required; Master’s degree preferred. Combination of relevant education and experience will be considered. At least three years of overall web development experience; two years of experience with backend languages/frameworks (e.g. ColdFusion, ASP.NET, PHP, or Node) and databases, such as MSSQL. Experience with the following systems/tools is required: HTML, CSS, and JavaScript, as well as working knowledge of jQuery and a JavaScript framework such as Angular, Vue, or React.

**Required knowledge, skills, and abilities:**
- 2 years of experience with backend frameworks such as ColdFusion, ASP.NET, PHP, or Node.
- 3 years of experience with HTML, CSS, and JavaScript, as well as working knowledge of jQuery and a JavaScript framework such as Angular, Vue, or React.
- 2 years of experience with databases such as MSSQL.
- Ability to lead all aspects of the software development cycle.  
  Preferred
- Experience with IIS and managing Windows web servers, Geographic Information Systems, collaborative GitHub environments, DevOps tools such as Docker or Jenkins.
- Ability to lead and mentor junior developers.

**For best consideration, please apply by April 18th, 2019. This posting will be open until filled with an anticipated start date of April 15, 2019 or shortly thereafter.** A complete application includes a cover letter addressed to the Director, resume, and contacts for three references with your online application. For further information on the Indiana Geological & Water Survey, please see [https://igws.indiana.edu/](https://igws.indiana.edu/) or email Gary Motz garymotz@iu.edu. All application materials should be submitted online at [http://jobs.iu.edu](http://jobs.iu.edu) using posting number 11037P.