

**Software/Systems Engineer**

2013-11-25

Contact: [info@openwaterfoundation.org](mailto:info@openwaterfoundation.org)**Description**

OWF is hiring a software/systems engineer to develop and support software in the area of water resources. Experience with full software lifecycle (design, development, testing, and support) and associated software development tools is required. As a nonprofit using an open source business model, OWF is interested in candidates that clearly demonstrate an interest in collaborative software innovation in water resources and can contribute directly to solving important problems. The position will entail working at OWF's office at Rocky Mountain Innosphere in Fort Collins, CO. A full-time hire is being sought, although qualified candidates seeking part-time employment may be considered. OWF is an equal opportunity employer.

**Responsibilities**

- Work with technical staff as a team to design, develop, maintain, and support water resources software - the ability to work with and communicate with a team and customers is very important
- Leverage existing tools including open source software and contribute to new tools
- Perform work tasks within the established development framework, including revision control, design, development, testing, and documentation
- Apply a variety of software tools (those being developed and others) to water resource problems
- Create documentation and training materials and work with customers on software integration and support
- Contribute to marketing and sales activities

**Requirements**

Applicants should have excellent analytical skills with ability to develop software tools and apply software to water resource problems. The following skills and experience are desirable (a demonstrated wide array of skills and ability to learn new skills is desirable):

- Revision control (e.g., Subversion, Git, Mercurial) and software testing and automation
- Java, C#, Python, R, FORTRAN
- Eclipse, NetBeans, Visual Studio
- Desktop software application development, build, test, and deployment
- Web application development, REST web services, LAMP stack, WordPress, Django, PHP, Drupal, JavaScript, jQuery, templating, Google Visualization and other libraries
- Virtual machines, computer configuration
- Databases (SQL Server, MySQL, SQLite, PostgreSQL, Derby) and Microsoft Excel
- GIS and web mapping (QGIS, Google Earth, OpenLayers, Esri)
- Water resource modeling software (CDSS, MODSIM, RiverWare, HEC, VIC, etc.)
- Microsoft Windows, Linux, Mac OS environments

**This position will remain open until a candidate with appropriate skills and entrepreneurial attitude is found. See more information about OWF on our website.**