

Providing Tomorrow's Technology Today!

Scientific Applications Developer

Meridian is seeking an experienced scientist with an active interest in developing scientific software applications, and is pursuing a fast-paced career in the private sector. This individual will work with Meridian's Chief Scientist, Forecast Operations Manager, applications developers, and product marketing specialists to develop scientific applications serving the needs of Meridian and its clients. This position involves applying scientific concepts to analyze, recommend, develop, test, implement and/or maintain new products, processes, and/or process improvements.

- » \$60,000 or more, depending on experience.
- » Master's degree in an earth science with at least 3-5 years relevant experience; however, holders of a Ph.D. in an earth-related science are preferred.
- » Strong knowledge of computer programming, including applied experience in a high-level programming language such as C, Java, or FORTRAN, plus experience in scripting languages such as Perl, Tcl, or Python
- » Familiarity with numerical modeling techniques, including mesoscale weather prediction models and knowledge of concepts associated with parallel programming for large scale scientific computing problems
- » Experience in using meteorological information and data conventions from various sources, and manipulate for textual and graphical presentation
- » Strong knowledge of UNIX and Windows operating systems, and shell scripting techniques within these operating systems
- » Experience in basic database access techniques
- » Strong written and verbal communication skills, including ability to edit and compose report content and correspondence, and to present company information articulately

- » Sound technical skills, analytical ability, good judgement, and strong operational focus
- » Ability to effectively manage multiple activities simultaneously
- » Knowledge of geospatial analysis methods and geographical information systems is strongly desired

Why work at Meridian?

All developers are given meaningful participation in all stages of projects, including requirements, high-level and detailed design, and time lines.

Casual and Flexible Work Environment

We have a casual, almost laid-back, attitude. Like everybody else, we have a lot of work to do and deadlines to meet, but that doesn't mean we can't have some fun and enjoy our work. We are also quite flexible on work hours.

Open Source Development

Meridian's infrastructure is based almost solely on open source tools, and we encourage our developers to contribute back to the OSS community. Our servers and workstations run FreeBSD and Linux, with our staff using UNIX since the early 1980's.

Leading Technology

Meridian uses a wide breadth of technology, including:

- » Telephony
- » Computational weather models
- » Web-based mapping
- » Speech recognition
- » Distributed client/server and peer-to-peer applications
- » Visualization
- » Decision support systems
- » Web product delivery

We are a very technologically-oriented company, with two full DS3 circuits of voice capable of handling 1,300 concurrent calls, fully redundant and independent Internet connections, satellite downlink facilities, and backup power generation.

Meridian is internationally recognized as a leader in surface transportation weather technology and services with clients across the United States and Canada.



Educational Opportunities

Continued professional growth is a hallmark of today's professional. Meridian recognizes that personal and professional growth serves employees and the company. Meridian provides flexible hours to further your education. Advanced degrees, professional certifications, and individual continuing education courses offered at the nearby University of North Dakota are a perfect opportunity for continuing your education.

Our History

Founded in 1996 with a vision to design, develop, and distribute the best atmospheric and Earth sciences information and technology, Meridian has demonstrated a keen entrepreneurial spirit and vision enabling us to take emerging science and technology forward to marketplace solutions. Where tools have not existed to permit us to accomplish our mission, Meridian has created the needed tools. In doing so our science and technical experts have been early adopters and industry leaders in defining a state-of-the-art technology for interpreting and managing large volumes of data spanning North America.

Our Mission

Meridian's mission is to enhance the decision-making abilities of our customers by utilizing state-of-the-art scientific research, computing technologies, and training techniques to develop and deliver customized weather and environmental products and services.

How to Apply

Application, resume, and cover letter can be e-mailed to careers@meridian-enviro.com, faxed to 701-792-1831, or mailed to:

Meridian Environmental Technology, Inc.
Human Resources
4324 University Ave., Suite B
Grand Forks, N.D. 58203-1938

Corporate Background

Meridian Environmental Technology, Inc. (Meridian) is a scientific and information technology solutions innovator, developer, and provider to the end-user community. Quite simply, we are working to make it easier for you to make decisions by using technology. While the primary consumers of Meridian's products and services are found within surface transportation, the agriculture, energy, and general marketplace continue to play an important role in our commercial activities.

As an information-based company, Meridian is able to deliver highly customized information to users no matter where they are located, using Internet, wireless, and cellular technologies. Meridian has built a staff of experienced professionals from industry and academia including computer science, information technology, transportation, and the atmospheric sciences. We use the latest in information technology involving advanced computer processing and programming platforms, and leading-edge weather and geographical information systems technology. Since 1998, Meridian has been a North American leader in providing en-route, site-specific weather and road condition information to the traveling public and to transportation agencies.

Meridian Environmental Technology, Inc. is a privately owned North Dakota corporation located in Grand Forks, North Dakota. There are no subsidiaries of or within Meridian. All management decisions and responsibilities lay within Meridian. While Meridian maintains multiple department areas, the communication and management are all coordinated with a centralized focus of meeting the needs of our customer.

Research and Development

As the tools and technologies in use today continue to evolve, they must constantly be revisited to address ever-changing demands and requirements for further functionality and capacities. This drives the need to maintain the Meridian core emphasis on continual innovation and adaptation of emerging technologies. Meridian's leadership position draws on our strengths in combining extensive design capabilities, systems knowledge, and valuable intellectual property into leading products. Our research and development staff, comprised of computer scientists and atmospheric scientists holding advanced degrees in their fields, continues to expand the product technology in innovative ways that provide the greatest benefit to our customers.

In addition to our internal research and development team, we also work closely with a number of universities and corporations around the nation. We have also entered into joint research and development initiatives with a number of our customers, which include pooled fund studies with numerous state departments of transportation.

Meridian Environmental Technology, Inc. is an Equal Opportunity Employer.