OVERVIEW

Company Background

Founded in 2015 and based in Louisville, CO, Aeris is an atmospheric science and engineering consulting firm which provides technical solutions/services to the defense, intelligence, and aviation communities. Our motivation comes from our desire to solve challenging technical problems which are of the utmost importance to our clients. The status quo is just not good enough and we continually strive to provide the highest quality products and services. Aeris aspires to be an integral partner to our clients enabling them to make a difference by making the world safer and more secure.

Job Description

Aeris is actively pursuing a mid-level software engineer who will support the design, development, testing, and deployment of software applications, scientific algorithms, and software system infrastructures under the direction of senior scientific and engineering staff. In particular, the successful candidate will be actively supporting the ongoing development of operational atmospheric transport and dispersion (AT&D) modeling and simulation toolsets. As such, this position requires experience with object oriented software design/development using languages such as Java, C, C++, and Fortran within an Agile/Scrum software development framework and must be comfortable working in a dynamic, team-focused, collaborative environment. Additionally, the candidate will be expected to support modification, implementation, and optimization of numerical weather prediction (NWP) codes on commodity High Performance Computing (HPC) systems, including cloud hosted HPC systems. In this capacity, the position requires experience with various analysis/scripting languages such as R, Python, Matlab, and IDL, plus experience implementing/optimizing these codes on HPC systems using MPI and Open MP. Lastly, due to the nature of working within a small business, the candidate will be expected, from time to time, to perform some additional duties, outside of their areas of expertise, such as numerical model execution/operation, data analysis/visualization, and development of presentations/reports.

Benefits

At Aeris, we know the success of our organization is solely rooted in the creativity, ingenuity, and exceptional quality of service provided by our employees. As such, Aeris's top priority is to continuously attract, maintain, and nurture a workforce comprised of exceptionally qualified and motivated professionals. Located within the historic old town district of Louisville, CO, Aeris headquarters provides employees quick and easy access to a wealth of both summer and winter recreational activities within the Rocky Mountain region. In 2009 and 2011, Louisville was chosen as the #1 place to live in the United States

and #2 in 2013, according to CNN/Money and Money magazine, and ranked among the top ten "Best Towns for Families" according to Family Circle magazine in 2012. Aeris employees also enjoy a competitive and comprehensive benefit package, which includes full medical/dental insurance coverage, a comprehensive retirement plan with employer matching and continuing education benefits. Aeris boasts a casual work environment with a strong emphasis on a healthy work-life balance.

REQUIREMENTS

Skills

- Experience developing software using Java, C, C++, FORTRAN
- Experience developing software for Windows, UNIX/Linux, and Mac OS X operating systems
- Experience with object oriented design/development
- Experience with standard software engineering design/development practices/procedures such as Agile/Scrum
- Experience with scientific scripting/analysis tools such as R, Python, Matlab, and IDL
- Familiarity with optimizing software/systems using MPI, Open MP or other multiprocessing technologies.
- Interest in AT&D and NWP modeling systems.
- General interest in meteorology, physics, mathematics, and/or statistics.
- Strong communication and interpersonal skills

General Qualifications

- Bachelor of Science (B.S.) or advanced degree in computer science, engineering, or related technical discipline
- Willingness to relocate to the greater Boulder, CO area
- United States citizenship
- Active security clearance OR willingness and ability to complete the necessary background screening process.

Mid-Level Qualifications

- B.S. and 3+ years of relevant professional experience
- Master of Science (M.S.) and 1-2 years of relevant experience

Application Guidelines

Qualified applicants are asked to submit a cover letter and resume to paulb@aerisllc.com. The letter and resume should specifically detail their interest and ability to meet the job requirements/qualifications.