23-138: Technical Web Developer

Posting Details

Classification Information
This information is pulled in from the position description.

Classification Title
Research Associate II

Classification Code
060288

Salary Grade

Min Salary

Mid Salary

Max Salary

Position Information

Position Number
030860.0001

Employment Category
Special

FLSA
Exempt

Position Location
Kansas City, MO

Work Location

Description of Work Unit
The Aviation Weather Center (AWC) is part of the National Centers for Environmental Prediction (NCEP) under the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NWS). The AWC is located in Kansas City, MO and has a long history of providing operational global aviation weather forecasts and warnings for the NWS, the Federal Aviation Administration (FAA), industry, and aviators around the globe. The Aviation Weather Testbed (AWT) is co-located with the AWC and supports the transition of aviation research into operations for the NWS, the FAA, and their partners. The AWC and AWT collaborate with universities, governmental forecast centers and research laboratories, FAA organizations, International Meteorological Watch Offices, and other NOAA and NWS organizations. The AWC maintains 24×7 global forecasting and warning operations, and the AWT supports aviation meteorology hazards training, applied research, and transitioning research to operations. The AWC and AWT are also actively engaged in supporting the FAA’s NextGen weather initiative in building a 4-Dimensional Weather Data Cube (4-D Cube) that will improve access and accuracy of weather information to support improvements to aviation services in the NextGen era. Activities within the AWT and AWC will play a significant role in the development, testing, and evaluation of NextGen development. CIRA is a coordinating partner with the AWC on a number of research projects and activities. CIRA professionals assist the AWC/NT in supporting, developing, testing, and transitioning aviation weather research into NWS operations.

Hiring Authority
Linn Barrett, Megan Fritz, Beth Kessler, Steven Miller, Jennifer Raab

Supervisor Name
Dan Vietor

Supervisor Working Title
CIRA Web Team Lead at the AWC

Position Summary
The National Oceanic and Atmospheric Administration (NOAA) Aviation Weather Center (AWC) at Colorado State University (CSU) in Kansas City, MO, has a long history of owning one of the most widely utilized websites within the National Weather Service (NWS), www.aviationweather.gov, and most recently developed, the new beta.aviationweather.gov. Through innovative design and technology, this website supports a wide variety of aviation interests and customers, including the Federal Aviation Administration (FAA), airlines, general aviation pilots, aviation forecasters, and others. In addition, development web platforms are heavily used within the Aviation Weather Testbed (AWT) for the testing and evaluation of new and emerging scientific techniques, products, and services to support aviation weather, along with the exploration of new web technologies to support the operational web platforms. This is a mid- to high-level technical web development and programmer position on the AWC’s Web Team. The individual in this position will report to the CIRA Web Team Lead at the AWC and work closely with NWS federal collaborators, aviation partners, the AWC, and the AWC IT team to improve NWS aviation weather services on the web. They will engage in a range of research, development, and program support for the AWC websites and will participate in exploratory web development, web tools evaluation, and operational implementation projects to enhance the AWC’s web presence.

This position is a part of the Cooperative Institute for Research in the Atmosphere (CIRA) at Colorado State University (CSU) in Fort Collins, CO, and the individual in this position will be an employee of CIRA/CSU. The individual in this position and will serve as a member of CIRA’s research group at the AWC in Kansas City and will be expected to work onsite in Kansas City, but may negotiate a hybrid office/telework schedule with a minimum of two days per week in the office. The individual in this position may be required to provide occasional on call 24×7 operational web support.

This position will be classified Research Associate II or III according to the credentials of the finalist selected for hire as follows:

- For position title Research Associate II: Bachelor’s degree plus 3 years of experience in software/web development, or a Master’s Degree.
- For position title Research Associate III: Bachelor’s degree plus 5 years of experience in software/web development, or Master’s Degree plus 2 years of experience in software/web development, or a PhD.

Position Supervises
0

Decision Making
The individual in this position make independent decisions based on the analysis of end user requirements, software architecture constraints, or technical issues involved with each software/web development activity. Independent decisions will align with both the goals of web development and also the standards of IT infrastructure and security within the AWC. The individual in this position will work with the Web Team Lead, who will establish day to day tasks, and longer term goals and priorities.

Conditions of Employment
Pre-employment Criminal Background Check (required for new hires)

Note: Please detail each of these items in your cover letter and or resume.

- For position title Research Associate II: Bachelor’s degree plus 3 years of experience in software/web development, or a Master’s Degree.
- For position title Research Associate III: Bachelor’s degree plus 5 years of experience in software/web development, or Master’s Degree plus 2 years of experience in software/web development, or a PhD.
- Ability to pass a National Agency Check with Inquiries (NACI, federal background check);
- Applicants must be legally authorized to work in the United States by the start date. CIRA will not sponsor a visa for this position now nor in the future

Required Job Qualifications

Preferred Job Qualifications

Note: Please highlight any applicable items in your cover letter and or resume.

- Bachelor’s degree in a scientific related field and familiarity with meteorology and/or aviation;
- Competence with HTML programming and CSS;
- Experience with Javascript programming, including NodeJS;
- Experience with Python as it applies to processing large datasets and databases;
- Familiarity with the development of Application Programming Interfaces (APIs);
- Familiarity with cloud programming environments (AWS, Azure, etc.);
- Ability to adapt as needed and work well in a dynamic team environment.

Is this an Hourly position?
No

Work Hours/Week
40

Posting Details

Posting Title
23-138: Technical Web Developer

Posting Number
202301429AP

Number of Vacancies
1

Desired Start Date

Note: Please detail each of these items in your cover letter and or resume.
Thank you for your interest in this position. The screening and selection process is currently underway and will continue until a successful candidate is chosen. Should review of your qualifications result in a decision to pursue your candidacy, you will be contacted.

Thank you for your interest in this position. Based on your responses to the questions on the employment application, you do not meet the minimum qualifications for this position. Please do not let this discourage you from applying for other positions at CSU that interest you.

The National Oceanic and Atmospheric Administration (NOAA) Aviation Weather Center (AWC) in Kansas City, MO has a long history of owning one of the most widely utilized websites within the National Weather Service (NWS), www.aviationweather.gov, and most recently developed, the new beta.aviationweather.gov. Through innovative design and technology, this website supports a wide variety of aviation interests and customers, including the Federal Aviation Administration (FAA), airlines, general aviation pilots, aviation forecasters, and others. In addition, development web platforms are heavily used within the Aviation Weather Testbed (AWT) for the testing and evaluation of new and emerging scientific techniques, products, and services to support aviation weather, along with the exploitation of new web technologies to support the operational web platform. This is a mid- to high-level technical web development and programmer position on the AWC’s Web Team. The individual in this position will report to the CIRA Web Team Lead at the AWC and work closely with NWS federal collaborators, aviation partners, the AWT, and the AWC IT team to improve NWS aviation weather services on the web. They will engage in a range of research, development, and program support for the AWC websites and will participate in exploratory web development, web tools evaluation, and operational implementation projects to enhance the AWC’s web presence. This position is a part of the Cooperative Institute for Research in the Atmosphere (CIRA) at Colorado State University and will serve as a member of CIRA’s research group at the AWC in Kansas City and will be expected to work onsite in Kansas City, but may negotiate a hybrid office/telework schedule with a minimum of two days per week in the office. The individual in this position may be required to provide occasional on call 24x7 operational web support.

Applicants will be accepted until the position is filled; however, to ensure full consideration applications should be submitted by 11:59 PM MT on Sunday, September 10, 2023. References will not be contacted without prior notification of candidates. Find more detail about this position and apply electronically by clicking ‘Apply to this Job’ at the following website: https://jobs.colostate.edu/postings/131737.

NOTE: In your cover letter, please specifically address the required and preferred qualifications of this position. A cover letter that fails to address the required and preferred qualifications of this position may not be further considered after review by the search committee. CSU is an EO/AA employer and conducts background checks on all final candidates.

The Title IX Coordinator is the Director of the Office of Title IX Programs and Gender Equity, 123 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-1715, title9@colostate.edu.

The Section 504 and ADA Coordinator is the Director of the Office of Equal Opportunity, 101 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-5836, oeo@colostate.edu.

Any person may report sex discrimination under Title IX to the Office of Civil Rights, Department of Education.

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department’s commitment to diversity and inclusion.

Applicant Manager
Linn Barrett, Robin Brandeberry, Megan Fritz, Jennifer Raab

Essential Job Duties

Web Design and Maintenance
- Participate in innovative web development, evaluation, and operational implementation process to enhance the AWC’s web presence;
- Collaborate with the AWC Science Team and partners to transition experimental aviation weather products to the AWC operational web environment;
- Work within a dynamic team environment to establish priorities and meet agreed upon goals in a timely fashion;
- Work closely with the AWC IT Team to identify risks and adhere to necessary IT security and infrastructure standards;
- Support aviation and web dataflow to ensure continuity of 24/7 web operations, including rapid response to emergency situations;
- Adhere to the established AWC Configuration Management Plan including testing, software version control, and software installation;
- Maintain proficiency with the latest technologies and standards, and attain proficiency in cutting-edge technological areas;

90%

Documentation and Reporting
- Prepare and maintain accurate and up-to-date documentation of systems, projects, and processes in collaboration with team members;
- Prepare status reports as required by the project sponsor and CIRA;
- Prepare and deliver technical talks and presentations, as requested;

10%

Position Budget Information

Budget Summary

Alternative Appointment Request

Alternative Appointment Request
Please note: For an Alternative Appointment, the proposed individuals resume will need to be uploaded in the Posting Documents tab.

Alternative Appointment Requested?

Name of Proposed Individual

Nature of Appointment

Type of Appointment

Rationale for Request
How Proposed Individual Was Identified

If this is a current employee of your unit, are you going to fill the position vacated by this employee?

If so, by what method?

If other, please explain

Is a salary adjustment requested? No

Background Check Requirement

Education Check: Is an educational degree check desired? No

Financial History Check: does the position reside in Student Financial Services

Motor Vehicle Record Check: does the position require driving a motor vehicle (i.e. university owned, personal, rental, etc.) on a routine basis to conduct university business?

Motor Vehicle Record Check: does the position require a commercial driver's license?

Sensitive Conditions Check: does the position work with vulnerable populations (i.e. children, minors, animals etc.)

Sensitive Conditions Check: does the position work with controlled substances, select agents, or other sensitive research material/information?

Sensitive Conditions Check: does the position have unsupervised access to buildings, residence halls, or other secure facilities?

Sensitive Information Check: does the position have access to sensitive information?

Supplemental Questions

Required fields are indicated with an asterisk (*).

1. * The successful candidate must be legally authorized to work in the United States by the proposed start date; CIRA will not sponsor a visa for this position now or at any point in the future. Will you be legally authorized to work in the United States by the proposed start date and into the future without visa sponsorship by CIRA?

   - Yes
   - No - (disqualifying)

Qualification Groups

Applicant Documents

Required Documents

1. Cover Letter
2. Resume or CV

Optional Documents

None

Search Committee

Name Email Chair? Status
Amanda Terborg amanda.terborg@colostate.edu Yes approved
Bill Theus bill.theus@colostate.edu No approved
Daniel Vietor dan.vietor@colostate.edu No approved

Evaluative Criteria

References

Minimum Number of References 3
Maximum Number of References 3
Accept Reference Letters No

Posting Documents

1. Applicant Screening Form
2. Current Organizational Chart (Required)