

## Job Description

**Job Title:** HIOOS Data Systems Management Specialist  
**Job ID:** 11194  
**Project Name:** SOEST  
**Full/Part Time:** Full-Time  
**Regular/Temporary:** Regular

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Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science & Technology (SOEST), Hawaii Institute of Geophysics & Planetology, Hawaii Integrated Ocean Observing System (HIOOS) located in Honolulu, Hawaii. Actual work location may be off-campus. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws.

**MINIMUM MONTHLY SALARY:** \$3,620/Mon.

**DUTIES:** Develop a project schedule, a requirements document and a data management document for the program. Will establish real time data flow from sensors to database, and establish a reliable, scheduled backup of archived shore station data. Will establish web form-based access to data. Maintain access to data via the web. Provide access to and near-real time plotting of present and future nearshore sensor data.

**PRIMARY QUALIFICATIONS: EDUCATION:** Bachelor's Degree from an accredited four (4) year college or university in Computer Science or related science field. **EXPERIENCE:** Five to seven (5-7) years experience with: Java, PostgreSQL, CCS, HTML, Systems and Network Administration of multi-user UNIX, Linux, and MacOS servers deploying standard web, file directory, mail, list, versioning, and database services; Fibre Channel SAN installation and management; RAID and LVM-based storage techniques; DLT tape backup auto-changer management; experience with Ethernet network design, cabling, switches, routers, hubs; system-level programming in Perl, Bash, awk sed; development of backup and recovering strategies. Two to five (2-5) years of experience with: MatLab, MySQL, Javascript, XML, DOM. Two to three (2-3) years of experience with: Python, KML, Dataturbine, Oracle, Development of low-level TCP/IP and UDP/IP socket programming.

**ABIL/KNOW/SKILLS:** Knowledge of oceanographic instrumentation and data streams. Knowledge of writing drivers to insert oceanographic data into relational databases. Knowledge of writing MatLab code to plot oceanographic data from relational databases. Understanding of FGDC and EML standards. Familiarity with OPeNDAP. Must be able to communicate effectively both orally and in writing. Must be able to stay on schedule.

**SECONDARY QUALIFICATIONS:** Graphics and Design experience in web and print-based media including logo and website design and layout, document diagrams, charts; proficient in graphics software including Photoshop, Illustrator, etc.; generation of real-time web data graphics using MatLab.

**INQUIRIES:** James Potemra 956-2737 (Oahu).

**APPLICATION REQUIREMENTS:** The preferred method of applying for a job is through our on-line application process. Please go to [www.rcuh.com](http://www.rcuh.com), click on "Employment" and navigate to "Job Announcements/Apply for a Job." However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your qualifications for position and salary history; names, phone numbers and addresses of three supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax

(808) 956-5022, mail, or hand-deliver to: Director of Human Resources, Research Corporation of the University of Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. Online applications and faxed documents must be submitted/received by the closing date (11:59 P.M. Hawaii Standard Time/RCUH receipt time). Mailed documents must be postmarked by the closing date. Hand-delivered documents must be received by our HR office by 4 P.M. Hawaii Standard Time/RCUH receipt time. If you have questions on the application process and/or need assistance, please call (808)956-3100.

EEO/AA Employer.

**Please apply before** 05/15/2011

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