Job Description

Job Title:  JIMAR PIFSC Applications Developer

Job ID:    12249

Project Name:  JIMAR

Full/Part Time:  Full-Time

Regular/Temporary:  Regular

MINIMUM MONTHLY SALARY:  $3,620/Mon.

DUTIES:  Provides advanced programming and analytical support for coral reef ecosystem monitoring and research, fisheries management, fisheries stock assessment, and oceanographic research. Develops, tests, implements, documents, and supports applications, computer programs, procedures, and scripts. Designs, develops, tests, implements, and documents computer procedures and application programs. Develops scalable tools, automated tools, and database management applications for the manipulation, integration, and dissemination of data, in both raw and summarized form. Coordinates with all project staff in the collection, capture, processing, documentation, archiving, and maintenance of scientific data, data products and reports. Contributes to the inventory and archiving of project’s data holdings and backups, in original and electronic forms, and data products. Provides advanced computer systems and database support to researchers and staff. Gathers requirements for application development projects and translates project and data requirements into system designs and prepares functional specifications.

PRIMARY QUALIFICATIONS:  EDUCATION:  Bachelor’s Degree from an accredited four (4) year college or university in Computer, Physical, or Biological Science. EXPERIENCE:  Three to five (3-5) years of professional level work experience in programming utilizing state of the art languages, scripts and editors in both the UNIX/Linux and personal computer environments. Three to five (3-5) years of professional level work experience in the design, development and support of relational database applications with client/server databases, including enterprise-wide database management systems, and web applications and graphical user interfaces for relational databases. Experience in requirements gathering for application development. Operational experience in the primary data management functional areas of data collection, data capture, data processing, data maintenance, data archival, and data dissemination. Operational experience with metadata procedures, data integration, data manipulation, data parsing, and data auditing, and managing large scientific data sets including geographic and time series data. ABIL/KNOW/SKILLS:  Working knowledge of relational database management software such as ORACLE, MySQL, or Microsoft (MS) Access, and dynamic Web tools such as Hypertext Preprocessor (PHP), Perl, Computer-Generated Imagery (CGI) and HyperText Markup Language (HTML).  Working knowledge of C/C++, and Procedural Language/Structured Query Language (PL/SQL). Demonstrated skills in providing advanced scientific programming support in the Java, Perl, shell script, and SQL languages, and database form and report generators. Ability to design, create, maintain, document, and manage large and complex data management systems. Ability to develop advanced database applications and web applications in LINUX/UNIX and PC environments. Ability to integrate and manage both raw and summarized data in client/server databases with statistical, Geographic Information System (GIS) and visualization tools.
software/tools. Ability to translate end-user requirements into tangible design specifications. Ability to perform project management functions, which includes independently planning, organizing, and implementing projects to meet programmatic requirements and objectives within schedule, setting priorities and coordinating multiple tasks with frequent and tight deadlines. Ability to communicate effectively both orally and in writing. Demonstrated ability to create required applications. Post Offer/Employment Condition: Must meet US Department of Commerce, National Oceanic and Atmospheric Administration security requirements for working in a federal facility which includes being fingerprinted and having a federal background check performed. PHYSICAL/MEDICAL REQUIREMENTS: Ability to install and configure computer-related equipment and instrumentation in ocean-going research vessels. (i.e. Comfortable with working in small and confined areas, able to lift thirty-five (35) pounds, able to negotiate step ladders, narrow ship passageways and access ports.) Must be able to obtain medical clearance to work on NOAA research vessels or other appropriate vessels and for NOAA diving requirement.

SECONDARY QUALIFICATIONS: Master’s Degree from an accredited college or university in Computer Science related discipline. Experience with image catalogs and spatial data objects. Experience developing and supporting GIS applications. Experience with Python or Visual Basic for Applications (VBA) programming language. Experience developing Rich Internet Applications using Adobe FLEX. Experience with data analysis/data mining, preferably with biological datasets. Experience with OPeNDAP. Experience with advanced software tools for statistical analysis and data visualization. Experience using routine statistical procedures to perform data analyses, including interpretation of results. Understanding of satellite telemetry and remote sensing technologies and data issues. Familiarity with the data management needs and requirements of ocean related research and marine ecosystem studies. Desire to contribute to the conservation and sustainable management of living marine resources and protected species.

INQUIRIES: Nicole Wakazuru-Yoza 956-5018 (Oahu).

APPLICATION REQUIREMENTS: The preferred method of applying for a job is through our on-line application process. Please go to 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  06/06/2012