The Pacific Earthquake Engineering Research Center (PEER) is a multi-institutional research and education center with headquarters at the University of California, Berkeley. Investigators from over 20 universities, several consulting companies, plus researchers at various State and Federal government agencies contribute to research programs focused on performance-based earthquake engineering in disciplines including structural and geotechnical engineering, geology/seismology, lifelines, transportation, risk management, and public policy.

PEER seeks a creative individual who will support the center and various innovative projects as Database Administrator. The applicant will report to the PEER’s Chief Information Officer and work with PEER’s senior management, researchers and faculty, and other communications and IT staff. The position directly supports the enhancement and maintenance of several existing databases and their supporting web application services, including ones for the National Information Service for Earthquake Engineering (NISEE), PEER’s Next Generation Attenuation projects, the Seismic Performance Observatory and the engineering research laboratory databases. The Administrator will also be involved in the planning, development, deployment and maintenance of new databases and web application services that arise to meet enterprise and research needs. The applicant will administer PEER’s database and web resources, including supporting back end services for PEERs websites, developing disaster recovery plans, and testing backup solutions and system security. In addition, the applicant will provide technical advice and support regarding new information technologies to center management, faculty, staff, students, and researchers and represents PEER on senior level campus bodies addressing information technology.

The ideal applicant will have advanced knowledge of database management systems and standards and professional experience with management of SQL database systems. Knowledge of conceptual database design, capacity planning and interface specifications is required, as is professional experience deploying secure applications on Linux operating systems using Apache and Tomcat. Proficiency in modern programming languages: Java, and/or Ruby on Rails is highly desired. Experience with open source development tools such as CVS, Ant, etc. and flexibility to learn and use current and new tools and libraries, as appropriate, to support modern data-driven web services (e.g., JQuery, d3js, flotcharts, Matlab, R, Photoshop, etc.) is sought.

For the full job posting, please visit http://jobs.berkeley.edu

Keyword Search for Job # 17797

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