Position Title: Senior Software and Database Developer

Department: Information Systems

Reports to: Chief Technology Officer

Position Summary: This position is responsible for hands-on development of databases, data processing software and web-based user interfaces for the Foundation and Golden Retriever Lifetime Study using MySQL, Drupal 8, PHP and other tools as appropriate.

About Morris Animal Foundation

Established in 1948, Morris Animal Foundation is dedicated to improving and protecting the health of animals through scientific innovation, education and inspiration. Our investment in research has yielded life-saving vaccines, new treatments for critical diseases, superior screening tests, and advanced diagnostic tools. We respond to emerging animal health threats that endanger entire species and make new discoveries in basic animal biology to support applied research. With every study we fund - more than 2,600 to date - we strive to advance the science of veterinary medicine, honoring the founding principles of Dr. Mark L. Morris Sr. to benefit animals worldwide.

Golden Retriever Lifetime Study

The Golden Retriever Lifetime Study is one of the largest, most comprehensive prospective canine health studies in the United States. The Study's purpose is to identify the nutritional, environmental, lifestyle and genetic risk factors for cancer and other diseases in dogs. Each year, with the help of veterinarians and dog owners, the Foundation collects health, environmental and behavioral data on 3,000+ enrolled golden retrievers.

Position Essential Functions:

- RELATIONAL DATABASE IMPLEMENTATION. Responsible for implementing, maintaining and evolving relational databases in support of the Golden Retriever Lifetime Study. This will involve the implementation of new databases as well as migrating existing databases from MS Access to MySQL.
- MySQL DATABASE ADMINISTRATION. Responsible for routine database administration and tuning of the MySQL database(s). This includes managing database replication, schema migration, performance tuning, etc.
- SOFTWARE DEVELOPMENT. Responsible for designing, writing and testing software for data processing and database maintenance, typically in PHP.
- WEB APPLICATION DEVELOPMENT. Implement basic, but functional, user interfaces to the relational database(s) for use by project staff and study participants. The applications will be focused on data entry, maintenance and querying. This work will be done in Drupal 8.
- ANALYSIS AND DESIGN. Participate, along with others on the GRLS project, in the analysis and design work for both the database and user interface development. This will involve standard domain and workflow analysis, along with interface mock-ups and user reviews.

Position Requirements

- Minimum 10 years of experience designing, implementing, managing and supporting relational databases.
- Minimum 8 years of experience developing web applications using Drupal with a relational database backend.
- Minimum 5 years of experience developing software in PHP and SQL.
- Experience with software configuration and release management, preferably using git.
- Experience with automated testing tools.
- Excellent organizational, interpersonal, verbal and written English communication skills.
- Knowledgeable about dogs, with passion and empathy for companion animals and their owners, and a dedication to the Foundation's mission.
- Must love animals!
- Promote and adhere to Foundation Core Values: Excellence, Respect, Compassion, Collaboration, Innovation, and Determination.

Additional Desired Qualifications

- Relevant bachelor's degree (e.g., computer science, life sciences, other science) or equivalent experience.
- Experience developing scientific databases and applications, especially in bio-medical and/or clinical research.
- Experience designing, implementing and administering MySQL databases and, in particular, Amazon-hosted MySQL-style databases.
- Experience with database performance tuning.
- Knowledge of, and experience with, industry-standard database and application security methods and policies.
- Project management experience.
- Animal health experience and/or knowledge.

Morris Animal Foundation offers competitive pay with ample growth and professional development opportunities for its employees. A full benefits package includes paid employee health, dental, vision, STD, LTD, life insurance as well as a matched 403b, an LSA and our favorite benefit, dogs in the office. Come be a part of a compassionate and collaborative organization that is bursting with pride for its mission!

Position Specifications: Full-time, exempt position

Please email your resume, cover letter and salary requirements in a Word document or PDF, labeled with your complete name to Michael Cinkosky at mcinkosky@morrisanimalfoundation.org. Please list "Senior Developer" in the subject line of your email. **Incomplete and/or inaccurate applications will not be considered.**