



Position Available

POSITION TITLE: Analyst, IT – PHP Developer
JOB CODE: 2423
JOB BAND: Band C
JOB FAMILY: 08 (Information Technology)
WORK SCHEDULE: Normal hours worked
DEPT CONTACT: Blyth Morrell (blyth.morrell@duke.edu)
660-3182

Occupational Summary

The PHP Developer is responsible for the development and implementation of primarily web deployed applications (many involving database back ends) supporting Duke University faculty, staff and student groups. The developer researches, evaluates and develops browser based interfaces to database or other back-end system processes; provide and design tools to assist in the management of the database and client:/server environment; assist in training technical support and applications staff in effective utilization of databases; provide data warehousing as required to support business and instructional functions at Duke University. They identify, develop and maintain a library of reusable tools assisting in their customization to specific purposes by departmental personnel. The PHP Developer reports to the Manager, Blackwell Interactive Applications.

Work Performed

Follow code through different stages of the Software Development Life Cycle (Analysis, Design, Code Development, System Integration, End User Testing, Documentation, and Code Maintenance) Work closely with development team during the SDLC.

Develop design documentation.

Develop time estimates for project deliverables.

Assist in development of methodology for the ongoing assessment of database performance; identify and resolve conflicts arising over the creation, control and use of data; develop and enforce database user guidelines.

Provide consultation and training sessions to database users.

Ensure that external and internal regulations and policies governing data management are met including regulations concerning security, audit ability and privacy.

Design, develop and maintain database/web deployed applications including applications containing sensitive and confidential institutional data. Implement security measures to protect and appropriately authorize access to institutional data. Consider scalability, modularity and security in application design and development.

Research and evaluate programming tools and environments

Research, install, evaluate and modify open source tools

Maintain libraries of reusable code and tools

Supervise code review for code to be installed on OIT servers

Create backup and recovery scripts for MySQL databases that are used in applications running on Office of Information Technology servers.

Education/Training:

Bachelor's degree (Computer Science or related field preferred) and a minimum of 3 years web development/programming experience, or an equivalent combination of education and experience.

Experience:

Work requires 2 years of progressive programming or database administration experience to include PHP software development on a Linux platform with MySQL, design, implementation, tuning, backup, recovery, modification and reorganization of relational databases for a complex computer network.

Experience with SQL (able to write queries, design and optimize)

Independent, advanced programming experience in designing and developing web deployed applications with database backends in a CGI/php/mysql server environment on a UNIX or Windows platform

Knowledge of graphics processing tools including but not limited to Adobe Photoshop

Knowledge of basic design principles helpful

Demonstrated ability to work independently and as a team member

Strong organizational and interpersonal skills as interactions with faculty, staff and students are required.

Ability to perform as a Data Base Administrator for mysql databases

Minimum three years experience in web development and graphic design

Skills:

Excellent communication skills

Solid PHP, Linux, Perl, Ruby, ROR (or eager to learn RoR), MySQL, Web Developer, XHTML, XML, XSLT, CSS, Ajax, Javascript

BENEFITS

Duke's comprehensive benefits package includes paid time-off (vacation, holidays, sick leave), health, dental, vision, disability and life insurance, educational assistance, and support for professional development and training. As an employee of Duke University you would also enjoy numerous discounted services such as health club memberships, movie tickets, and cell phone services.

ENVIRONMENT

The Office of Information Technology (OIT) is responsible for managing Duke Campus' IT infrastructure, service and support including academic research and enterprise applications. OIT provides leadership and expertise in many areas of Information Technology to Duke Entities, including faculty, staff, and students. Specific services delivered include voice, data & video communications, institutional email and administrative applications (payroll, financial ledger, student systems etc.), database, web infrastructure, desktop & helpdesk support, student computing, data center services, and high-performance computing & academic software systems. OIT is also responsible for developing/upgrading the physical IT infrastructure around campus and maintaining 23 student computer labs.

OIT is a member of Educause, IVY Plus, National LambdaRail (NLR), and has representation at many of the leading technology consortiums that are driving the future growth and use of technology.

Duke University and Durham are located in the Research Triangle, a region that encompasses one of the nation's premier concentrations of academic, corporate, and public research. The Triangle region is rated among the most desirable areas in North America to live and work and has been identified by *Money* magazine as one of the "Best Places to Live" in the U.S.

www.dukenews.duke.edu/resources/quickfacts.html

Trustworthiness, respect, diversity, learning and teamwork are the hallmarks of Duke's guiding principles. Our accomplishments are dependent on the dedication and expertise of all who work to support Duke's mission.

Application

Send cover letter and resume to: Scooter Freaney, Human Resources Manager, at scooter.freaney@duke.edu. Please include **Analyst, IT** in the subject line. Additionally post your resume in Duke Database by going to <http://www.hr.duke.edu/jobs/>, use the requisition # to search and apply for this position.

These statements are intended to describe the general nature and level of work being performed by the employee in this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of a person in this position.

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