

# Software Developer - Backend Focus

## Job Summary

The Software Developer - Backend Focus will be responsible for assisting the Company in the design, development, maintenance and support of the Company's existing and future software applications, developing and maintaining the systems supporting those applications, and performing other tasks as may be requested from time to time. This is a full time position within the Company's Information Technology (IT) organization and reports to the Development Operations Supervisor.

## Responsibilities

- Developing, maintaining, debugging, and documenting application code, database structure, supporting scripts and libraries, and other application components
- Developing application and platform requirements and implementation specifications
- Developing procedures and methodologies for quality control and verification of proper operation
- Test and maintain application code and other application elements to ensure proper functionality, resource optimization, and effective security.
- Assisting with the review of applications and supporting elements for the purpose of identifying potential improvements, enhancements, or other changes
- Investigating reports of application bugs, exploits, improper functionality and other abnormalities reported by internal and external users
- Coordinating between other Company elements to facilitate the providing of tier 2 and tier 3 application support for both internal and external application users
- Closely collaborate with other elements both within the software development organization and other areas of the company to facilitate the definition and achievement of key project goals and milestones

## Required Skills and Qualifications

- 5+ years experience resulting in intermediate to expert level familiarity with object oriented software development within PHP
- 5+ years experience resulting in intermediate to expert level familiarity with SQL based databases
- 2+ years experience resulting in basic to expert level familiarity with the development of HTML/CSS based web interfaces and incorporation thereof into PHP based applications
- 2+ years experience resulting in basic to expert level familiarity with integrating PHP based web applications with external libraries and system level executables
- Through understanding of, and experience working with, JSON based data
- Strong verbal and written communication skills
- Strong attention to detail
- Ability to consistently produce accurate and concise documentation of all application code and other system components
- Ability to work both independently and in a team environment

## Beneficial, But Not Required, Skills and Qualifications

- Familiarity with the operation, configuration and administration of datacenter based server, power and networking equipment
- Knowledge of common datacenter systems, operational practices, and
- Familiarity with the operation and means of implementing common system and platform monitoring tools, such as Nagios, SolarWinds, and similar applications
- Knowledge of multiple programming languages, including Python, C/C++, and Java
- Experience with the implementation and management of redundant web, database and similar technologies, through the use of load balancers and other mechanisms
- Experience developing application code and supporting component version and updating management techniques and methodologies
- Experience working within the Agile development methodology
- Experience working with the Bootstrap template engine
- Familiarity with Model View Controller (MVC) based application design methodology and common PHP frameworks which implement it

- Familiarity with one or more PHP frameworks, such as Zend
- Familiarity with application level code encryption, such as through Zend Encoder
- Familiarity with the implementation of applications which include support for multiple languages
- Familiarity developing applications which integrate bi-directional integration with SCADA/PLC based industrial control and automation systems